

20000228.qrp v01_n745.qrl.20000228

Date: Mon, 28 Feb 2000 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1745

QRP-L Digest 1745

Topics covered in this issue include:

- 1) [64347] Re: Power Attenuator
by Tom Bessler <tbessler@OregonVOS.net>
- 2) [64348] FS: Homebrew ATTENUATOR
by "WB8QYY \ (DIZ\) Dieter Gentzow" <wb8qyy@one.net>
- 3) [64349] Appalachian Trail Award program Update!
by "Ron Polityka" <wb3aal@talon.net>
- 4) [64350] NorCal Tuna Tin 2 on Front Cover!
by Dave Fifield <fifield@pacbell.net>
- 5) [64351] Re: KITS: Modifying DSW Rigs to Receive SSB
by "David Benson" <nn1g@earthlink.net>
- 6) [64352] W1FB special QRP event
by "Larry Przyborowski" <lprzyski@erols.com>
- 7) [64353] Re: Antenna Help Request
by Bruce G Shaw <bruceshaw@juno.com>
- 8) [64354] Re: HELP--URL for NE QRP Club?
by "Paul R. Valko" <prvalko@oakland.edu>
- 9) [64355] Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5jpb@eudoramail.com>
- 10) [64356] W1FB, QRP-L #2222 Cool, eh?
by "Paul R. Valko" <prvalko@oakland.edu>
- 11) [64357] pleez splain
by "Dave Benham" <dodgeboy@mindspring.com>
- 12) [64358] Re: Dreams come true in QRP
by Curt Milton <wb8yyy@yahoo.com>
- 13) [64359] Re: HW-8 alignment
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 14) [64360] Fine pitch SMT techniques... The Future is coming...
by "Tom Scott" <tscott@eni.net>
- 15) [64361] Re: Antenna Help Request
by "Dennis Johnson" <djohn@dw.com>
- 16) [64362] WOT: DSW-30 Serial #2
by "Rich Clemens" <clemens@wvwc.edu>
- 17) [64363] NorCal SMT kit
by "Buck, Preston D" <BuckPD@corning.com>
- 18) [64364] "Remote" Operation
by "Dan W. Dooley" <dandooley@pipeline.com>
- 19) [64365] Is there a "slower" fox hunt ever?

- by john@neknetwork.com
- 20) [64366] Re: Is there a "slower" fox hunt ever?
by GElam30092@aol.com
- 21) [64367] Testing Antenna Tuners
by Arthur Moe <kb7ww@chatusa.com>
- 22) [64368] Re: Use 11 metres legally for QRP (USA only)
by Dave Fifield <fifield@pacbell.net>
- 23) [64369] RS DSP & HW-7
by patrick m kvitkauskas <pmk@juno.com>
- 24) [64370] Hamradio Magazine online index.
by "Vincent Ferme" <vferme@sprint.ca>
- 25) [64371] SMT parts
by Larry East <w1hue@amsat.org>
- 26) [64372] Re: Dreams come true in QRP
by "J. Ervin Bates" <w8erv@email.msn.com>
- 27) [64373] Dayton Rooms Available? I need one!
by "Brian P. Mileschosky" <n5zgt@swcp.com>
- 28) [64374] Re: W1FB on 14.0605
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 29) [64375] Re: happy dance!
by "John Moriarity" <k6qq@hdo.net>
- 30) [64376] Ham radio MOVING SALE - HF, VHF, QRP, tuners, duplexers, Ten-Tec,
more!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 31) [64377] Hobbieist IR reflow oven...
by Mighty Mik <mitymik@wenet.net>
- 32) [64378] HamCalc
by Dan Puckett <dpuckett@erinet.com>
- 33) [64379] Club: IA QRP Meeting Recap (very long)
by "John Burnley" <burnleyia@home.com>
- 34) [64380] [FS]: For Sale
by Monte Stark <ku7y@dri.edu>
- 35) [64381] Fine Pitch SMT... surfboard flotilla board???
by "Tom Scott" <tscott@eni.net>
- 36) [64382] Re: NORCAL Surface Mount Technology Kit (SMT Guide)
by "Luke Enriquez" <vk3em@hotmail.com>
- 37) [64383] SMT Guide Online - Thanks for your input.
by "Luke Enriquez" <vk3em@hotmail.com>
- 38) [64384] WTB--Omni C
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 39) [64385] Re: HamCalc
by "Chuck Carpenter" <w5usj@GLOBECO.NET>
- 40) [64386] Re: Use 11 metres legally for QRP (USA only)
by "David Benson" <nn1g@earthlink.net>
- 41) [64387] Re: SMT parts
by Dick Carroll <dixie@townsqsr.com>
- 42) [64388] Re: HamCalc
by Bob Patten <n4bp@bc.seflin.org>

- 43) [64389] RE: Use 11 metres legally for QRP (USA only)
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 44) [64390] Qrp Rigs
by cd25d@rhapsodysails.com (Bill Slater)
- 45) [64391] Re: Wireless phone monitor
by "Mike Yetsko" <myetsko@insydesw.com>
- 46) [64392] Re: Use 11 metres legally for QRP (USA only)
by "Dan W. Dooley" <dandooley@pipeline.com>
- 47) [64393] Club: IAQRP needs vendor information for display
by "John Burnley" <burnleyia@home.com>
- 48) [64394] Re: pleez splain
by "Dan W. Dooley" <dandooley@pipeline.com>
- 49) [64395] FS: Midland 11 meter FM HTs
by K2UD@aol.com
- 50) [64396] Re: NORCAL SMT kit... The Future is coming...
by Laura Halliday <va3ldh@sympatico.ca>
- 51) [64397] Re: Use 11 metres legally for QRP (USA only)
by Wb8siw@aol.com
- 52) [64398] ZS1J/Beacon on 28.202.5
by Fred Lesnick <flesnick@tbaytel.net>
- 53) [64399] Sierra Band Module Storage?
by Ed Kessler <edkess@epix.net>
- 54) [64400] RE: Use 11 metres legally for QRP (USA only)
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 55) [64401] CQC test QRPP
by "Steve/n0tu" <n0tu@webaccess.net>
- 56) [64402] Re: [FS]: For Sale
by Monte Stark <ku7y@dri.edu>
- 57) [64403] Re: NORCAL SMT kit... The Future is coming...
by Richard Matthews <prm@hiwaay.net>
- 58) [64404] Re: NORCAL SMT kit... The Future is coming...
by Dick Carroll <dixie@townsqsr.com>
- 59) [64405] WA7LNW/QRP 28.288 mhz Beacon MOBILE!
by wa7lnw@infowest.com
- 60) [64406] Re: Sierra Band Module Storage?
by "Hugo Catta" <h.catta@worldnet.att.net>
- 61) [64407] GM30XX/QRP is on 28.060.6 at 1614Z
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 62) [64408] Re: Sierra Band Module Storage?
by John Bohnert <johnb@elmhurst.edu>
- 63) [64409] Re: pleez splain
by Bruce Muscolino <w6toy@erols.com>
- 64) [64410] Re: GM30XX/QRP is on 28.060.6 at 1614Z
by =?iso-8859-1?Q?St=E9phane_Collas?= <scollas@club-confair.com>
- 65) [64411] Re: NORCAL SMT kit... The Future is coming...
by "Bill Jones" <kd7s@psnw.com>
- 66) [64412] Thunder Bay QRPers to meet next week...
by Fred Lesnick <flesnick@tbaytel.net>

- 67) [64413] Re: pleez splain
by "George T. Baker" <w5yr@att.net>
- 68) [64414] HB: Frequency Adjust on TT2?
by "Pete (N9SSA)" <n9ssa@arrl.net>
- 69) [64415] Solid State Technology
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 70) [64416] ZK3HC One of ours?
by Jeff Grudin <grudin@vdbbs.com>
- 71) [64417] Receiver Comments
by NM5Mike@aol.com
- 72) [64418] 38S is sold
by Marv Fagenson <k6hcj@juno.com>
- 73) [64419] MAGNETIC LOOP PAGE!
by Ed Loranger <we6w@qsl.net>
- 74) [64420] Re: Frequency Adjust on TT2?
by "Rod, N0RC" <n0rc@yahoo.com>
- 75) [64421] QRQ Net Summary.
by Ed Loranger <we6w@qsl.net>
- 76) [64422] RE: Tentec Kits
by Karl Kanalz <KKanalz@excel.com>
- 77) [64423] Re: Furnace RFI
by Oscar A Hoyt <k5ubs@juno.com>
- 78) [64424] Re: Use 11 metres legally for QRP (USA only)
by Roger Hightower <n7kt@worldnet.att.net>
- 79) [64425] Re: MAGNETIC LOOP PAGE!
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 80) [64426] Re: Furnace RFI & MORE!!
by "K7FD" <cqdx@teleport.com>
- 81) [64427] Re: Is there a "slower" fox hunt ever?
by Curt Milton <wb8yyy@yahoo.com>
- 82) [64428] RE: Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5jpb@eudoramail.com>
- 83) [64429] INFO PLEASE
by Marv Fagenson <k6hcj@juno.com>
- 84) [64430] Re: Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5jpb@eudoramail.com>
- 85) [64431] Re: Testing Antenna Tuners
by Bob Kellogg <ae4ic@nr.infi.net>
- 86) [64432] Re: Use 11 metres legally for QRP (USA only)
by "Mike Yetsko" <myetsko@insydesw.com>
- 87) [64433] Part 15 on 27.120 MHz
by "James Johnson" <kc5jpb@eudoramail.com>
- 88) [64434] Re: INFO PLEASE
by Chris Trask <ctrask@primenet.com>
- 89) [64435] Re: Use 11 metres legally for QRP (USA only)
by "Mark Hogan" <mhogan@email.msn.com>
- 90) [64436] Re: Fine Pitch SMT... surfboard flotilla board???
by SKIPNC90@aol.com

- 91) [64437] SMT Stuff
by "Steven Weber" <kd1jv@moose.ncia.net>
- 92) [64438] Re: Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5jpbz@eudoramail.com>
- 93) [64439] 11 metres legally for QRP (USA) No flame war here
by "James Johnson" <kc5jpbz@eudoramail.com>
- 94) [64440] Re: Use 11 metres legally for QRP (USA only)
by Mike Manship <mjmanship@iquest.net>
- 95) [64441] 11 meter QRP
by "James Johnson" <kc5jpbz@eudoramail.com>
- 96) [64442] operating tips question
by Sam Smith <sam.smith@ece.gatech.edu>
- 97) [64443] RE: Use 11 metres legally for QRP (USA only)
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 98) [64444] RE: Use 11 metres legally for QRP (USA only)
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 99) [64445] RE: 11 meter QRP
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 100) [64446] RE: Use 11 metres legally for QRP (USA only)
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 101) [64447] simplest possible antenna?
by "Bill Allen" <bill@pcatexas.com>
- 102) [64448] RE: Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5jpbz@eudoramail.com>
- 103) [64449] RE: Super Secret Event
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 104) [64450] RE: Is W1FB an Alligator ???
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 105) [64451] RE: 11 meter QRP
by "James Johnson" <kc5jpbz@eudoramail.com>
- 106) [64452] RE: W1FB on 14.0605
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 107) [64453] RE: 11 meter QRP
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 108) [64454] Re: Frequency Adjust on TT2?
by "George Heron N2APB" <n2apb@erols.com>
- 109) [64455] Re: simplest possible antenna?
by Rod Cercone <n0rc@yahoo.com>
- 110) [64456] Re: 11 meter QRP
by Caitlyn Martin <caitlyn@netferrets.net>
- 111) [64457] Re: 11 meter QRP
by "James Johnson" <kc5jpbz@eudoramail.com>
- 112) [64458] Re: simplest possible antenna? (fwd)
by "Paul R. Valko" <prvalko@oakland.edu>
- 113) [64459] Portable antenna for sale
by Caitlyn Martin <caitlyn@netferrets.net>
- 114) [64460] RE: 11 meter QRP
by "James Johnson" <kc5jpbz@eudoramail.com>

- 115) [64461] RE: 11 meter QRP
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
- 116) [64462] RE: 11 meter QRP
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 117) [64463] Simplest possible antenna
by Brien Pepperdine <pepperb@gov.on.ca>
- 118) [64464] RE: 11 meter QRP
by "Caro, Carlos" <carlos.caro@lmco.com>
- 119) [64465] looking for paddle recommendations
by "Ted Roycraft" <roycraft@research.att.com>
- 120) [64466] Well I done it.... Wire/Rope Antennas
by hamjoel@juno.com
- 121) [64467] FOR SALE: NCG 15m 15 meter QRP rig
by Caitlyn Martin <caitlyn@netferrets.net>
- 122) [64468] RE: 11 meter QRP
by "James Johnson" <kc5j pz@eudoramail.com>
- 123) [64469] Re: 11 meter QRP
by "Richard Brummer, K2JQ" <obvious@bestweb.net>
- 124) [64470] Re: 11 meter QRP
by Roger Hightower <n7kt@worldnet.att.net>
- 125) [64471] Re: 11 meter QRP
by "Richard Brummer, K2JQ" <obvious@bestweb.net>
- 126) [64472] Re: Use 11 metres legally for QRP (USA only)
by "James Johnson" <kc5j pz@eudoramail.com>
- 127) [64473] Sprat 102
by "Graham Firth" <Graham.Firth@BTinternet.com>
- 128) [64474] KLN 2/27/00
by "Randy Hargenrader" <randyh@harksystems.com>
- 129) [64475] QRP 1750M...Oops, that is not part 97...Yet.
by "James Johnson" <kc5j pz@eudoramail.com>
- 130) [64476] Re: Multi-turn Loop Winding?
by Ed Loranger <we6w@qsl.net>
- 131) [64477] QRP-Tech
by w2xn@juno.com
- 132) [64478] Re: Multi-turn Loop Winding?
by Ed Loranger <we6w@qsl.net>
- 133) [64479] Re: Multi-turn Loop Winding?
by "James Johnson" <kc5j pz@eudoramail.com>

Date: Sun, 27 Feb 2000 14:35:34 -0800
From: Tom Bessler <tbessler@OregonVOS.net>
To: BenNW7DX@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64347] Re: Power Attenuator
Message-ID: <a04310100b4df5692ca83@[192.168.76.7]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

At 4:39 PM -0500 2/27/00, BenNW7DX@aol.com wrote:

>Hello -

> Reading the small thread about attenuators, I scrounged through the index
>of my 1999 ARRL Handbook for a power attenuator design, and came out empty
>handed. Dissapointing indeed.

> I was wondering if any of you guys know of some disigns, on the internet,
>or also in a magazine or book that would work. I think it would be neat just
>to flip a few switches and go from a few watts to a few milliwatts (and maybe
>even lower, if i've got the guts :-)

>

>Thanks for your help,

>Ben - NW7DX

I too would be interested in a good design. I'd like to drop the
output of my FT-7 from 12 to 3 watts or lower.

TIA, Tom, WB7WSF

Date: Sun, 27 Feb 2000 19:23:15 -0500

From: "WB8QYY \ (DIZ\) Dieter Gentzow" <wb8qyy@one.net>

To: <secondclassopsclub@egroups.com>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>, <elecraft@qth.net>

Subject: [64348] FS: Homebrew ATTENUATOR

Message-ID: <007201bf8182\$26efbb00\$0202050a@4003>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Sorry but some of you will get this email twice....

For Sale: HomebrewATTENUATOR, designed for 2 WATTS CONTINUOUS DUTY.

Aluminum box about 2" x 1.5" x 10" has BNC connectors at each end

Has 5 attenuation stages;

1st stage is 10 dB using 2 WATT resistors.

2nd stage is also 10 dB using 2 WATT and 1/2 WATT resistors.

3rd, 4th and 5th stages are all 3 dB using 1/2 watts resistors.

Email all offers private to me; will be sold tonight before 10 PM EST and
shipped free tomorrow.

All proceeds will be donated to the SOC Contest Fund

THIS THING WORKS - all sales final :-)

73 & "oo's" - Dieter (DIZ) Gentzow - WB8QYY

Loveland, Clermont County, Ohio near Cincinnati ; EM79ug - 39.218N - 84.305W

SOC#8 FPqrp#-1 DL-QRP-AG#1454 QRP-L#1998 10-X#9389 CATT#26 K2#493

ICQ#65019334 <http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Sun, 27 Feb 2000 19:26:52 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [64349] Appalachian Trail Award program Update!
Message-ID: <041201bf8182\$832f25e0\$7ce508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

The Appalachian trail Award has been updated.
The following were added, check it out.

#1 Contacts on the AT should be made within 100 yards of the trail.
#2 ATRAIL-L List Server
#3 Trail WAS Award

Check it out at www.n3epa.org .

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
 <http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

175 + Work Units Completed 72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
175 + Work Units Completed

Date: Sun, 27 Feb 2000 16:30:48 -0800
From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64350] NorCal Tuna Tin 2 on Front Cover!
Message-ID: <005f01bf8183\$0f2bf0a0\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Did anyone else notice that the TT2 on the front cover of QST
this month is one of Doug's boards that he made (with permission)
for the NorCal QRP Club? You can just about make out the
writing on the board....no mention of NorCal and the way Doug
led the revival of the TT2 inside though....hmmm?

72, Dave Fifield, AD6A

Date: Sun, 27 Feb 2000 19:26:59 -0800

From: "David Benson" <nn1g@earthlink.net>
To: <n7rr@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64351] Re: KITS: Modifying DSW Rigs to Receive SSB
Message-ID: <000801bf819b\$e31e7000\$2996173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Bruce Prior <n7rr@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, February 27, 2000 1:29 PM
Subject: Modifying Small Wonder Labs DSW Rigs to Receive SSB

>I stated mistakenly in my rave review of the Small Wonder Labs DSW rigs,
>"The offset of all DSW rigs is set for receiving on lower sideband." (CQ
>Amateur Radio, December, 1999, p. 40) I

Thanks to Bruce, N7RR, for the informative posting. I can certainly understand how he'd have come to that conclusion about the sidebands- it stems from a phone conversation we'd had. I don't recall if I answered exactly the question he asked or if it was an "off the top-of-my-head special".

The DSWs all use a BFO set above the IF passband. In this respect alone, it's the lower sideband at the IF that's getting through the crystal filter. Based on the relationship of the LO and operating frequencies, though, it may be a different situation. Because the DSW was designed to see service exclusively as a CW rig, placing the BFO frequency above the passband yields better performance. The rolloff (skirt) characteristics are asymmetrical with the filter used in this rig, and the one I use yields opposite-sideband rejection 10 dB better than its twin. It's the broader skirt characteristic on the (now) low-frequency side of the passband that yields the apparent improvement in SSB intelligibility with Bruce's mod.

>>Check the color before choosing your inductor. Here are the appropriate
>inductor values:

Although Bruce didn't mention it specifically, the part numbers are for 1812-series inductors. These are "boulder"-sized components (to swipe a phrase) and are the same size as L1 and L2 on the topside of the board.

73- Dave, NN1G

Date: Sun, 27 Feb 2000 19:54:04 -0500
From: "Larry Przyborowski" <lprzybski@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [64352] W1FB special QRP event
Message-ID: <002e01bf8186\$4ff7bda0\$6d9aaccf@k3peg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Happy (Polka) dance here! My five watts worked Ed @ W1FB on 14.060 this morning. His sigs were 589 here in MD.
Many thanks to all those who made this super "secret " event possible. Early on one couldn't classify it as a secret judging from the massive pileups! This is one QSO I'll never forget.

72/73 de Larry - K3PEG -.-

Date: Sun, 27 Feb 2000 19:44:35 -0500
From: Bruce G Shaw <bruceshaw@juno.com>
To: rburton2@midsouth.rr.com
Cc: qrp-1@Lehigh.EDU
Subject: [64353] Re: Antenna Help Request
Message-ID: <20000227.194707.-3724977.0.bruceshaw@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

If you have any tall trees, look at QST June 99 issue (Killer antenna). They have a homebrew vertical comprised of a 33 ft vertical length of wire with 3 33ft radials. I made one, hung it from a pine tree, fed it with 400 ohm ladderline to a balun and RG-8X to the rig. I attached the three radials to plastic fence posts (about 3ft long with a metal stake on end - 1.69 each) from the farm supply so they can be easily moved when not using the antenna or when mowing the lawn. Works well for most bands with a tuner. Have received good sig reports and it only cost me about 25.00 to build.

73

Bruce Shaw
kg4dzu

On Wed, 23 Feb 2000 03:43:27 -0800 "Mark Burton"
<rburton2@midsouth.rr.com> writes:

> All,
>
> Our family has relocated to an area where I cannot put up my tower
> (Radio
> Prison). The backyard is large enough to just about hide a 40 meter
> dipole.
> When we first moved in, I put up a 30 meter dipole and ran QRP with
> a great
> deal of success. After a while, I got tired of that band and
> shortened it to
> its present form as a 20 meter dipole. So much for my life story.
>
> I would like to work several bands without having to make major
> adjustments
> to my dipole. I do not want to go with a trapped dipole. My setup
> does not
> allow me to use ladder line and a doublet. I believe I would like to
> try a
> vertical antenna. I need to find an efficient one due to my QRP
> operation.
> My questions is, which one? I would be happy with 40 through 10
> meters.
> Should I go with a Gap, Hygain, Cushcraft R7000, R6000, or R8?
> Perhaps
> something else. What do you guys recommend?
>
> Thank you,
> Mark
> WB4TGB
>
>
>

Date: Sun, 27 Feb 2000 20:01:06 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64354] Re: HELP--URL for NE QRP Club?
Message-ID: <Pine.OSF.4.21.0002271958270.16546-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 27 Feb 2000, Wilford D. Lindsey wrote:

> Can anyone help? Need the web address for the NE QRP Club ASAP.

Bookmark this site, Doc: <http://www.google.com>

It's one of my (really it's my) FAVORITE site to search for URLs.

I typed NE QRP into the "search box" and the very first item to pop up was:

<http://www.eichhoff.com/neqrp/frame02.htm>

Teach a man to fish...

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Sun, 27 Feb 2000 19:03:12 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU
Subject: [64355] Use 11 metres legally for QRP (USA only)
Message-ID: <OJOPOL0IDLFAAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Hello:

Is anyone interested in using 11 meters QRP? No license is required...and, of course, technician class operators are included. Here are some details:

'15.227 Operation within the band 26.96 - 27.28 MHz.

(a) The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in '15.35 for limiting peak emissions apply.

(b) The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in '15.209.

I would love to hear if anyone is going to use that band. Write me at:
kc5j pz@eudoramail.com

James Johnson
Arlington, Texas

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Date: Sun, 27 Feb 2000 20:26:27 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [64356] W1FB, QRP-L #2222 Cool, eh?
Message-ID: <Pine.OSF.4.21.0002272023450.16546-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you have "fox" in your subject filter, you missed this important post. Forgive me for cheating to get the word out :-)

Please mark Tuesday evening, March 14th off so that you may join a VERY special FOXHUNT event you will not want to miss!

WD4ET is unable to operate that night. Jeff graciously gave me plenty of warning so it is with Great Pleasure that I announce his replacement:

* W1FB will be the FOX!!! *

MARCH 15th 0300Z - 0500Z W1FB Ed W1RFI, in CT. QRP-L #2222

Can you believe it? W1FB is QRP-L # 2222 - How about that?! Is that cool or what?

Ed tentitively plans on running the ORIGINAL Tuna Tin II, but may switch to another 5 watt rig if conditions warrant.

Remember Foxhunt dates and times are posted in UTC. 0300Z March 15, 2000 is the evening of Tuesday March 14th in North America.

Again, this a foxhunt you will NOT want to miss.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum and Foxhunt Page at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Sun, 27 Feb 2000 20:53:57 -0500

From: "Dave Benham" <dodgeboy@mindspring.com>

To: <qrp-1@Lehigh.EDU>

Subject: [64357] pleez splain

Message-ID: <00c601bf818e\$ae164f20\$8fb7aec7@hqa.chrysler.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Can someone explain to me how the list works and how the average ISP folds into the overall picture?

The last e-mail I got from the list was over two hours ago. It would seem that this would be prime time (6:30PM to 8:50PM EST) and I would expect to see at least SOME activity.

I am suspicious of some sort of problem because this lack of activity seems to happen periodically, as well as some posts which are replies to posts that I don't believe I ever saw. Maybe there just isn't any activity on the list.

Does the list keep this activity and burp it out every couple of hours, or is it pretty immediate that things are passed on? What might the issue be with my ISP if, in your considered opinion, the problem may lie there?

I hope this isn't a thermos thing (as in "how do it know?")!

Thanks for any input.

Dave K8TRF

Date: Sun, 27 Feb 2000 17:59:52 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: kf2ew@juno.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64358] Re: Dreams come true in QRP
Message-ID: <20000228015952.19871.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Nice tribute ... nice to have W1FB on the air again.
We can best honor his memory by tinkering, building
equipment, encouraging folk that this hobby does not
require an immense expenditure, and being creative in
putting together an interesting experience. a leaky
pipe made me move those piles of QSTs ... Sardine
Sender, CB slider, Codzilla ... how many did I miss? -
all kinds of rigs when transistors were newfangled and
all real rigs had tubes. let's keep building,
radiating and being helpful to others in the hobby in
spite of their interests.

73 curt wb8yyy

--- David M Kopacki <kf2ew@juno.com> wrote:
> I'm sitting here but don't know what to say...how do
> you put in words the
> feelings that come from being a part of history?
>
> When Doug passed away, so did one of the few dreams
> I had in Amateur
> Radio....to work Him.
>
> I know Ed was the op. But I just couldn't help
> sending 'TU DOUG'. Ed, I
> logged you as the operator but under 'Name', I just
> had to put in 'Doug'.
>
> To Mrs. DeMaw, Dave, and all the good folks up in
> CT, thanks. I know
> this might be hard to believe, but I sit here
> fighting back the tears.
>
> Doug DeMaw. Thanks, man. Maybe one day you and I
> can sit down together
> and.....well, that's another dream...for another
> day.
>

> Thank you all from the bottom of my heart,
> Mike, KF2EW
>

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>

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Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Sun, 27 Feb 2000 20:18:13 -0600
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-1@lehigh.edu
Subject: [64359] Re: HW-8 alignment
Message-ID: <200002280218.VAA10516@smtp10.atl.mindspring.net>

I know this isn't really being helpful, but just had to say that my HW-8 has always held calibration to within a kHz or two. Since the markings on the dial are 5 kHz apart, this seems pretty fair accuracy to me.

I built it while waiting for my novice ticket to arrive in 1982. Had no test equipment other than a multimeter. I don't remember how the alignment was accomplished, but it must have been by following the instructions in the manual. I was always careful to stay well away from band edges, but here we are 18 years later and the little rig has been tossed around, back-packed, dropped, and who knows what in that time. Used it last night to work Dave in the "Super-Secret QRP Event" and he was right where he should be on that little dial.

The direct conversion receiver isn't so bad, you get used to using it, I think. Always tune downward through the band and never call anyone on the low side of the zero beat. Mine has always been quite sensitive, and does suffer from microphonics especially on 21 MHz, but not bad enough to make it unusable. I used to use an outboard audio filter to increase selectivity but eventually learned to sort signals out by pitch and ignore the rest. The only real problem I have with the DC receiver is the way you can get interference from the "wrong" sideband of a signal higher in frequency than your operating freq. But you can get around that

if the interference isn't horribly strong just by shifting around a few hundred Hz to change the pitches you hear. Of course, tuning that little dial in tiny increments does take some practice.

No, my HW-8 isn't for sale. I'm going to insist that it be buried with me!
;-)

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP ARCI #5154 <http://www.netcom.com/~fufffe/>

Date: Sun, 27 Feb 2000 18:22:11 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [64360] Fine pitch SMT techniques... The Future is coming...
Message-ID: <000401bf8192\$a9539a20\$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So there seems to be nearly unanimous agreement that this is becoming a problem.

Herm says: "Good point. Any suggestions?"

Ed comments: "It seems, Tom, that the real crux of the problem you outline is not the IR reflow oven, as I can think of several ways to create one of those - ... We could probably even make a kit for one :-). But, how the heck are we gonna lay down the paste for those tiny pads?"

So let's follow these two threads.

1. How to build a low-cost re-flow oven that can efficiently, safely, and uniformly generate the required heat.
2. How to apply solder paste.

3. Any other issues I've missed? Remember we're talking about those parts that a soldering iron is simply not practical for.

This gets out of my areas of expertise a bit. I am aware of some manufacturing techniques, but by no means an expert here. Does the solder paste have to be applied by silk-screen or some other method to only the un-etched copper? What would happen if you applied it everywhere, would surface tension distribute it where we want, or would we still end up with solder bridges?

If we can't distribute the solder paste onto the board, what if we were to use the "finger print method"? Spread a thin layer of solder paste onto a

smooth surface, like a glass plate, and then with tweezers or a suction part picker, dip the part onto the layer of solder mask, picking up some solder mask on the leads of the part. Then very carefully under a magnifier place the part in alignment with the etch pattern on the board. A delicate operation to be sure, but one that does seem reasonably doable. And for those few who are still skeptical. I will take it upon myself to do a semi-formal poll of some of the top semiconductor manufacturers to see what percentage of their newly introduced parts will be available in through-hole packages, what percentage in large pitch SMT, and what percentage only in fine pitch (say finer pitch than 0.050") packages. I haven't formally done this but I will tell you that from several years as an FAE for one of the largest electronics distributors, attending the factory trainings of companies like HP (now Agilent), Motorola, T.I., Harris (now Intersil), and many others, it is my impression that the percentages (remember I said newly introduced parts!!!) are something like 10% in through hole packages at best! Sure we can always use the old stuff that we've been using, but I'm not sure how fully that contributes to the spirit of Amateur Radio that says we should be "advancing the art of radio". Using older technology is fun and will continue to be, but there needs to be a place for using the state of the art technology also.

- Tom

?Tom Scott - Wyle Electronics - KD7DMH
10300 SW Nimbus Ave #PB, Portland, OR 97223
503-603-1931 - Tel 503-684-6620 - Fax
503-703-2032 - Cell

-----Original Message-----

From: Herm B [mailto:ww0r@oct.net]
Sent: Sunday, February 27, 2000 3:48 AM
To: 'tscott@eni.net'
Subject: RE: NORCAL SMT kit... The Future is coming...

Hi Tom:

Good point. Any suggestions?

73 de Herm ww0r@oct.net

On Sunday, February 27, 2000 5:24 AM, Tom Scott [SMTP:tscott@eni.net] wrote:
> To tell you the truth, being in the semiconductor industry, and spending a
> lot of time talking with the design and marketing people at the major
> semiconductor manufacturers, I've been very concerned for a couple years
now
> that hobbyists are going to get left out in the cold if we don't find some

> way to adapt.
>
> While the Norcal effort is VERY commendable, and I DEFINITELY intend to
> build one of these kits, the fact is that 1206 packages aren't really the
> problem. It's a good first effort and well worth while. If it gets a bunch
> of folks over their paranoia about SMT, that alone is a great
contribution.
> I recommend that everyone who is serious about staying in tune with
> technology, jump on board and build one of these ASAP. With 1206 packages,
> its really not that difficult. But somehow we're going to have to adapt to
> lead pitches that are so fine that a soldering iron is about as useful as
a
> tire iron is for picking your teeth! You all notice I hope that the large
> parts are being delivered already soldered to the board.
>
> As others have written, some of the most common through hole parts are
still
> available and will be for quite awhile, but much of the latest technology
is
> now coming out in lead pitches that are ten times smaller, not to mention
> ball grid array packages that are 1mm and even 0.8mm pitch. You want to
show
> me the slender soldering iron tip that can get up underneath one of these
to
> solder the 64 to 1370 solder balls that can be underneath? I hear
> presentations from manufacturers weekly about new parts that are being
> introduced that will not be available in through hole, and not even in
> coarse pitch SMT. And we're not just talking about big multi-lead
processors
> and FPGA's I've got some discrete components that are so tiny, I need a
> magnifier just to count the pins.
>
> I hate to say it folks, but we're not just into the age of SMT, we're into
> about the third generation of SMT. There is no turning back and the
> manufacturers cannot justify building parts in the older packages, because
> no commercially viable new project will use them. The old packages exist
at
> this point primarily for repair spares and existing older production.
> Neither of which is a compelling reason to build a new design in those
> packages, so they aren't going to.
>
> It seems to me that we're going to have to invent the "hobbyists IR reflow
> oven" or something comparable! There will be no way around solder paste
and
> reflow for building with these parts. You may think I'm kidding, but I'm
> dead serious. I've discussed it with dozens of major semiconductor
> manufacturers and while they are sympathetic, they are clear that this is
a

73/72 ... Dennis

----- Original Message -----

From: "Mark Burton" <rburton2@midsouth.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: 23 February, 2000 05:43

Subject: Antenna Help Request

> All,

>

> Our family has relocated to an area where I cannot put up my tower (Radio
> Prison). The backyard is large enough to just about hide a 40 meter
dipole.

> When we first moved in, I put up a 30 meter dipole and ran QRP with a
great

> deal of success. After a while, I got tired of that band and shortened it
to

> its present form as a 20 meter dipole. So much for my life story.

>

> I would like to work several bands without having to make major
adjustments

> to my dipole. I do not want to go with a trapped dipole. My setup does not

> allow me to use ladder line and a doublet. I believe I would like to try a

> vertical antenna. I need to find an efficient one due to my QRP operation.

> My questions is, which one? I would be happy with 40 through 10 meters.

> Should I go with a Gap, Hygain, Cushcraft R7000, R6000, or R8? Perhaps

> something else. What do you guys recommend?

>

> Thank you,

> Mark

> WB4TGB

>

>

>

>

>

Date: Sun, 27 Feb 2000 22:13:25 -0500

From: "Rich Clemens" <clemens@wvwc.edu>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [64362] WOT: DSW-30 Serial #2

Message-ID: <001101bf8199\$c787ac00\$f065010a@wvwc.edu>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Second of a series...

I didn't get back to the kit as soon as I had hoped but...
Installed all Group 2 parts (nothing hard here)
Double checked part placement
Soldered all Group 2 parts
Next time Group 3 parts
Gee no chance for smoke till after Group 4

--

Richard Clemens, KB8AOB
clemens@wwwc.edu

Date: Sun, 27 Feb 2000 22:44:39 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [64363] NorCal SMT kit
Message-ID: <9C472CF03C5ED111BBF20000F84A17010287DE7A@EAGLE.CORNING.COM>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain

Greetings all,

Just a couple of comments about the NorCal SMT kit. First off I think it is a great idea, put me on the list for buying one.

I have photocopies of the 4 QST articles on using SMD devices. The original articles have been donated to a friend. I am willing to scan them and email them to whoever is interested, if and only if, I get the okay to do so from the ARRL, in the form of Ed Hare. I don't want to violate any copyright laws but if Ed would be so kind to ask the powers that be in ARRL, I will be willing to do so. NOTE: I will not do this until after I speak with the ARRL so don't ask. I will announce to the list if/when I get permission.

I would also like to point out that the KnightLights has done an SMT kit already - the SMite. I have an unbuilt one (my building queue is long and lethargic) and have done SMT work before so they don't bother me. But perhaps the KnightLights would be interested in re-kitting the SMite for those who are a bit unsure of themselves. Doing a kit sounds like an awful lot of work so I wouldn't be surprised if they declined.

Another option for doing some SMT work fairly inexpensively is the Tick Keyer by

Embedded Research. They have a SMT version that performs well and is inexpensive. I think that their web site is www.embedded.com

SMT work isn't hard, it is just different and perhaps easing into it with a low risk kit is the way to go.

Personally, I am going to explore some more about making a heat gun and using a soldering paste. I still have some heating elements from a blow dryer that I am making into a foam cutter that should work. Trying to figure out the temperature could be problematic. Two ways I see of the top of my head are to get samples of paste that melt at different temperatures and plot which ones melt versus input current. Alternative I could by a termistor that covers that range of temperatures and hook my DMM to it, though perhaps a PIC would be better since it could be configured to read the temperature and adjust the current flow to vary the temperature.

73

Preston, n0glm, Southern NY State

My words, not my employer's

Date: Sun, 27 Feb 2000 21:46:27 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [64364] "Remote" Operation
Message-ID: <002f01bf819e\$673055a0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the reasons I wanted to get a small QRP rig and did get a DSW-40 was to operate the family room at home away from the other equipment in the shack where the antennas terminate. Hey, I like to be by my wife in the evenings!

Anyhow, my ultimate plan is to use a coax switch of some sort to switch a length of coax which terminates in the family room. This way I use the same antenna - Butternut HF9V.

So for now, I run a length of computer grade network RG-6/U from the shack - connected it to the end of the cable (RG8) from the antenna, and ran the "6" out to the family room to feed the DSW-40. I connected a BNC connector to the radio end of the coax so I really can't put a wattmeter/SWR meter in line. Probably should have put a 259 connector on.

Ok, let's see now, that's 35 or 40 feet of RG8 from the antenna. A barrel connector (PL259 to PL259) and about another 35 or 40 or so feet of RG-6/U (Belden 82248) 18 AWG coax. This stuff is used in computer thinnet work and has a pretty thick center conductor for being a thinner coax. Braid and foil shield. But, 75 ohms of course.

There will be a little mismatch, but probably not severe. I probably should have put a 259 on the end so I could run it through the meter first, but.... oh well....

This evening signals on the band sounding nice and loud. Numerous CQs called. Got only one answer. A station in Houston. Not real DX from the Dallas area I guess. He was loud - running his 100 watts. Never did get a good RST out of him. He was real rusty on CW. He did copy all of my comments so guess he heard me okay.

Wonder how much I'm attenuating the 2 watt output before it gets to the antenna? Wonder why no one else answered my CQs? Hmmmm.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandoooley@pipeline.com

May Goddes love blest ye alle

SOC#198

"Ancient Pistol, I do partly understand your meaning."

Date: Sun, 27 Feb 2000 22:56:34 -0500
From: john@neknetwork.com
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64365] Is there a "slower" fox hunt ever?
Message-ID: <38B9F1F2.ADDFC525@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

This is my first posting to this (very) active list.

I'm quite interested in QRP, I've built a few "little" radios from kits, etc... One of the reasons I got into Ham radio was to build my own gear - that's were it's at for me. Today I had my first QSO at 5 watts of

power with W1RC - boy was I psyched when he came back to me, with a 589
rst to boot! I tried sending CQ at 2 watts, but couldn't scare up a QS0.

Anyway, I really would have liked the to work W1FB this weekend (heard
some of it), but to be honest, the speed at which the CW is being sent
is a bit too fast for me. I really crammed and worked to pass my General
CW test the other day, but it's still a struggle to keep up at high
speed. I'm sure I personally will be a speed burner too one day - but I
want to get in on the fun now!

Can there be, or is there already, a planned event where say 10 wpm CW
could be the order of the day? I realize it wouldn't fill a log as fast,
or as deep, but I think there are probably more then a few ops out there
who would love to play but can't.

Finally, thanks to all for such an active and informative list. I'm
learning tons here! 73,

John - KB1ENS/AG :)

--

John Wagner - john@neknetwork.com

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Date: Sun, 27 Feb 2000 23:08:20 EST

From: GElam30092@aol.com

To: john@neknetwork.com, qrp-1@lehigh.edu

Subject: [64366] Re: Is there a "slower" fox hunt ever?

Message-ID: <b0.1e75a11.25eb4eb4@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 2/27/00 9:00:41 PM US Mountain Standard Time,
john@neknetwork.com writes:

<< Can there be, or is there already, a planned event where say 10 wpm CW
could be the order of the day? I realize it wouldn't fill a log as fast,
or as deep, but I think there are probably more then a few ops out there
who would love to play but can't. >>

Doc Lindsey organized N/T+ fox hunts for slower operators. Check
<http://www.qsl.net/na6e/nt+foxhunt.html>

If those are no longer active, I'd be more than happy to set up a schedule and work with you. After all, I did note the /AG at the end of your call!

Cheers,
Gerry, K1LR0/7/AG
PHX AZ

Date: Sun, 27 Feb 2000 20:28:06 -0800
From: Arthur Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [64367] Testing Antenna Tuners
Message-ID: <38B9F955.D8841814@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Would like to get some help in trying to test the efficiency of some antenna tuners I have. These are for feeding balanced line. Someone have a "plan" ????

Thanks
Art
KB7WW

Date: Sun, 27 Feb 2000 20:44:22 -0800
From: Dave Fifield <fifield@pacbell.net>
To: kc5jpbz@eudoramail.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64368] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <002d01bf81a6\$7bde8c80\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

James,

I thought this was for unintentional radiators. I think that deliberately using this spectrum for radio transmissions is expressly disallowed somewhere else in the FCC regs.

72, Dave, AD6A

> Hello:

> Is anyone interested in using 11 meters QRP? No license is required...and, of course, technician class operators are included. Here are some details:
(snip)

Date: Mon, 28 Feb 2000 05:15:26 -0500
From: patrick m kvitkauskas <pmk@juno.com>
To: qrp-1@lehigh.EDU
Subject: [64369] RS DSP & HW-7
Message-ID: <20000228.051527.3846.3.pmk@juno.com>

I found a good use for my old RS DSP unit. I usually just use it for a external speaker on my QRP rigs.

Pulled out the old HW-7 yesterday to take it for a spin around the block. I can't use my tuned speaker with the HW-7 so I hooked up a old RS DSP to amplify the audio. Most Ex and present ,stock HW-7 owners that have ever hooked up a speaker to one know the feed back is so bad when trying to work a weak signal. The DSP sure puts it in check very well.

The only mod done to mine is the side tone attenuation mod. It is kinda nice to hear the weak ones without headphones so crank it up.

72 de Patrick KD4OBQ

AR
send replies to
pmk@juno.com for faster service (checked twice daily)
pmk@bellsouth.net to send pictures
<http://www.qsl.net/kd4obq/> QRP site
<http://homestead.juno.com/pmk/FILES/INDEX.HTM> R/C soaring site

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 00:23:27 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@lehigh.edu>

Subject: [64370] Hamradio Magazine online index.
Message-ID: <002a01bf81ab\$f57d8d20\$51136395@vince>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Found this one on the newsgroups, it's an online cumulative index of Hamradio Magazine articles.

<http://webhome.idirect.com/~griffith/hrindex.htm>

73 de Vince, VA3VF.

Date: Sun, 27 Feb 2000 22:23:28 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [64371] SMT parts
Message-ID: <3.0.5.32.20000227222328.00977100@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From a recent QRP-L post:

>

>And back to the aging - I'm not a jeweler. luckily - I wear bifocals - I
>can't even see those tiny parts, let alone figure out how to flow solder
>them.

>

I also wear bifocals and can't see the damn things either ... heck, I can't even read the markings on most ceramic caps without help! That's why I have a magnifying lamp and several magnifying glasses! :-) Yes, even us Auld Fartz can handle SM parts if we try! I find SM caps ideal for adding bypass caps here and there -- they fit real nice between IC pins!

Try it ... you might even like it!

72, Larry W1HUE/7

Date: Mon, 28 Feb 2000 00:32:07 -0500

From: "J. Ervin Bates" <w8erv@email.msn.com>
To: <wb8yyy@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64372] Re: Dreams come true in QRP
Message-ID: <02c901bf81ad\$27b8a1c0\$dc28113f@win98>

<let's keep building, radiating and being helpful to others in the hobby in spite of their interests.

73 curt wb8yyy>

Thanks, Curt. I know there are many of your kind out there, whose sole purpose is to encourage others.....much like Doug. I have an Elmer who met Doug a couple times and I have heard he was kind, considerate and always willing to teach those that would learn.

My true hands-on experience is limited, but I AM willing to learn and Ellis (the Elmer I referred to-W8YB) is already planning to have us build a few things together in time for vacation.

This Hobby's been a blessing to me and I hope to someday help others, with the knowledge I am gaining. It will be lots of fun learning the nuts and bolts theory of antennas, etc. Basics are nice, but you need more if you really want to enjoy Amateur Radio....but I'm preaching to the choir, aren't I?

72,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie # - Worked All
El Paso #033/1999

Date: Sun, 27 Feb 2000 22:50:49 -0700
From: "Brian P. Mileschosky" <n5zgt@swcp.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [64373] Dayton Rooms Available? I need one!
Message-ID: <00a301bf81af\$c4bf6240\$670586cc@hlw11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Everybody,

I'm saving my pennies to go to Dayton this year for my first time (This is the first time that final examinations do not take place around the Dayton weekend). Bill Pasternack, WA6ITF wants me to speak during his address, and Riley Hollingsworth also is looking to involve me in his keynote.

However, as everyone knows, rooming is an issue, especially right now. I am wondering if anybody might have space for one more in their room, as I would be more than happy to chip in for my part.

Any help would be appreciated! Feel free to email me. I hope to be there this year!

72,
Brian, N5ZGT
Albuquerque, NM
<http://www.unm.edu/~brianm>

Date: Mon, 28 Feb 2000 00:15:34 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64374] Re: W1FB on 14.0605
Message-ID: <00f501bf81b3\$39ae0c20\$65773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I got to work Ed this morning with my 3' diameter loop 3' off of the ground this morning. He had a good signal into Texas too!

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Sun, 27 Feb 2000 22:27:21 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <GElam30092@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64375] Re: happy dance!
Message-ID: <02e501bf81b4\$df343420\$ed424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Well, of about 35 hams who tested in Phoenix tonight, only one braved
the
> 13-wpm code test and he managed to pass it along with the written
test.
>
> Happy dance!
> Gerry "the new general license holder" Elam
> PHX AZ

Hey!! Congratulations Gerry. See you on HF.

74,

John, K6QQ

Date: Mon, 28 Feb 2000 01:30:34 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>, forsale-swap@qth.com, tentec@contesting.com
Cc: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>, grao@umbc.edu, whowell@hq.nasa.gov
Subject: [64376] Ham radio MOVING SALE - HF, VHF, QRP, tuners, duplexers, Ten-Tec, more!
Message-ID: <Pine.LNX.4.10.10002272204180.7461-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I moved into this house seven months ago and still don't have control over my garage. In order to accomplish this, I need to sell MUCH of my ham gear. And no, I am not dropping out of ham radio, as my car is still quite the mobile shack - worked a few hundred Qs during last weekend's ARRL CW contest whilst driving from home to Salem, over to the coast,

south to Waldport, and through the woods back to Eugene.

Anyway, here's my huge garage sale list. Enjoy. Forward this list at will.

HF RIGS (QRP and otherwise)

Ten-Tec Paragon 585, excellent condition. General coverage HF xcvr. Box, manual, mic, std. filters. \$950

Kenwood TS-520S, VFO-520, AT-200, SP-520 w/MC-35. Radio, antenna tuner, external VFO - complete back-up or starter station. Tubes in good shape when last operated, all in very good cond. \$425

Radio Shack HTX-100 10m SSB/CW mobile, good cond. w/box
\$125

S& S Engineering ARK 20 QRP CW xcvr. Solid as a rock, wouldn't recommend doing but can pound nails into wood w/case. Manual.
\$225

A & A Engineering 20m QRP rig, missing some Ics, vg cond. Manual.
\$70

Oak Hills Research "Classic," 20/40m QRP CW rig. Some scrapes but works well. Manual. \$175

Small Wonder Labs SW40 40m QRP CW rig w/painted factory case. Nearly perfect condition, w/manual. \$80

Oak Hills Research OHR-100 40m QRP CW rig. W/manual, exc. cond.
\$80

Norcal 40A 40m QRP CW rig. Excellent cond. \$90

Ten-Tec 1340 40m QRP CW rig. Excellent cond. w/manual.
\$80

Ten-Tec 1340, not quite up to snuff. \$70

Emtech 40m QRP CW rig. Manual is somewhere around here.
\$80

Oak Hills OHR-100 30m KIT (unbuilt). Perfect condition!
\$75

MFJ 9020 20m QRP CW rig, excellent condition, box & manual.

\$125

Ten-Tec Century 21 Digital w/manual. 80-40-20-15-10 CW xcvr. Excellent condition, good for 25-45w output. Easy to use, w/manual.

\$245

Heathkit HW-9 w/PSA-9 power supply and vinyl dust covers. Excellent condition. Comes w/all WARC bands installed - 80-10m. W/manuals.

\$375

SGC SG-2020 compact 20w portable general coverage SSB/CW xcvr. Sells new for \$675, hardly used. Extremely rugged, exc. cond. w/manual.

\$525

ANYENNA TUNERS & WATTMETERS & OTHER STUFF

MFJ 901B antenna tuner, 200w, no metering. Excellent cond.

\$50

Autek WM-1 computing wattmeter PEP/avg computing wattmeter. Unit is in near-perfect condition physically but I seem to remember something about it not working last time I tried it a year ago. Sells for \$133 new, asking \$85 as no wattmeter is that hard to fix...I just don't have the time to think about it right now.

\$85

Radio Shack digital wattmeter, MTA-20. New in box. Works down to a watt (use one myself for QRP) and up to 2kW.

\$50

Barker & Williamson VS300A, handles random wire, balanced line and coax-fed antennas. Excellent condition, probably have manual lying around.

\$75.

MFJ-934 combination 300w antenna tuner / artificial ground. New in box. New price is \$169. Theoretically eliminates RF current on equipment chassis by creating current sink on either actual ground wire or single counterpoise thrown out window, laid along floor, etc.

\$130

MFJ-969 roller inductor tuner, HF + 6 meters, new in box. Sells for \$189. Handles 300w, has internal dummy load.

\$145

Heathkit SA-2040 antenna tuner. BIG. Good condition. Theoretically handles 2kW. No meters. Manual included.

\$70

Nye Viking MB-VA top of the line antenna tuner. Handles many kW. Sells new for about \$850. Excellent condition, rarely used over a few watts.

\$525

Ten-Tec model 238 antenna tuner, excellent condition w/manual.
\$295.

AEA QT-1 antenna tuner w/wattmeter. Someone once put too much power through it and the some of the coil forms, well, melted. It's pretty much the same as B&W Airdux. However, the coil still looks like a coil, and I've used it successfully on HF and 6 meters at QRP levels. The rest of the unit is in excellent shape and the metering works fine. Has a cross-needle meter.
\$50

VHF radios

Alinco DR-610 2m/440 mobile. Excellent condition w/box, manual, \$360

Radio Shack HTX-212 50w 2m mobile FM, excellent condition.
\$150.

Radio Shack HTX-242 50w 2m mobile FM, excellent condition.
\$160.

Radio Shack HTX-202 2m handie talkie - great ham-band-only RX. Excellent condition. Comes w/battery, charger, antenna, and manual. Have one with box and two without.
\$110 ea.

Alinco DJ-F1T 2m HT w/extended RX range. Excellent condition. Comes w/battery, charger, antenna, and manual
\$140

Yaesu FT-470R 2m/440 HT, excellent condition w/battery, charger, antenna, and manual. Extended receive.
\$250

Yaesu FT-50R w/FTT-12 DVR keypad. Excellent condition w/box, etc, \$240

Radio Shack PRO-2039 base scanner, cell blocked, exc. cond. in box,\$160

Radio Shack Pro-51 handheld scanner, cell blocked, exc. cond. in box,\$160

VHF amps & accessories

Comet CF-360 duplexer. Duplexes HF w/HF-UHF. \$70 new.
\$45

Diamond MX-72D (UHF connectors) - 2m/440 duplexer	\$28
Diamond MX-72DN (N on UHF) - 2m/440 duplexer	\$32
Diamond MX-72N (N on UHF) - 2m/440 duplexer	\$32
Larsen AD2/70 2m/440 duplexer - UHF connectors	\$25
Radio Shack HTA20 30w 2m amplifier, in box	\$50

Radio Shack HTA20 30w 2m amp, exc. cond. \$45
Non-working Radio Shack HTA20, don't remember why not wkg.
\$20
Mirage B23 30w 2m amp, on/off switch installed, VG cond.
\$55
RF Concepts VHF-1-60 2m HT amplifier, 1w in gives 60w out.
\$160

Power Supplies

Lambda LNS-P-12, 12VDC @ 14A, good cond. \$75
Lambda LM-D12 12VDC @ 10A, screws missing. SIX pass xistors.
\$50
LH Research, 5V @ 150A & 12V @ 10A. \$100
Tripp-Lite PR-7B 12VDC @ 5A (7.5A surge) \$35
Video camera power pack - 12 VDS @ 2A w/cig. ltr. socket
\$35
Mitsubishi 12VDC @ 800mA underrated power supply \$25
TrippLite PR-4.5A 12VDC@3.5A (4.5A surge) \$27
Astron RS-35A 12VDC@25A (35A surge) \$120
Astron RS-20A 12VDC@16A (20A surge) \$70

Believe it or not, that's ALL I have to sell right now. Amazing, eh?
Anyway, one of these days I'll again have the urge to get a garage full of
stuff but for the moment, I'll just be happy with building a few kits here
and there and having my test equipment and a rig or two, as opposed to 20
or 30. Until then...

Offers considered but no trades, please - that's how I got into this
situation :) All prices are plus shipping.

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 27 Feb 2000 22:43:09 -0800
From: Mighty Mik <mitymik@wenet.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [64377] Hobbieist IR reflow oven...
Message-ID: <38BA1654.8D2A6AA6@wenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom KD7DMH said...

>It seems to me that we're going to have to invent the "hobbyists IR reflow
>oven" or something comparable! There will be no way around solder paste and
>reflow for building with these parts.

you mean we can't use a toaster oven?

Date: Mon, 28 Feb 2000 01:53:42 -0500
From: Dan Puckett <dpuckett@erinet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64378] HamCalc
Message-ID: <38BA1B76.65DA8B7A@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang.

Is there a home page for HamCalc, or anyplace to get the latest,
greatest version?

Before melting slobber we got some calculatin' to do.

72,
Dan Bash bits

Date: Mon, 28 Feb 2000 00:46:53 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>, <IaQRP-L@divis17.ped-gen.uiowa.edu>
Subject: [64379] Club: IA QRP Meeting Recap (very long)
Message-ID: <000501bf81b7\$99206aa0\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Iowa QRP Club held a meeting this past Saturday
(February 26, 2000) in Sioux City, IA. I do not have the
sign in sheet but I know the attendance was more than
24 hams. It was great seeing all of the Sioux City gang
plus all those who made the long drive. There was a lot
of good QRP fellowship plus the judging for the building
contest was held. Many thanks to Paul Sipes KB0JIT for

volunteering to take on the impossible task of deciding how to rank all of the great entries. Congratulations to the following people for submitting winning entries:

Scratch Built:

1st place (tie): Walt Holling N9MZP Tuna Tin 2
Mike Fitzgibbon N0MF 2N2/40
2nd place (tie): Larry Stambaugh WB0RMT Receiver Prototype
Mike Fitzgibbon N0MF SST-10

Kit built:

1st place (tie): Larry Stambaugh WB0RMT NorCal NC20
Darrel Swensen KB0AWB SST-40
2nd place: Walt Holling N9MZP DSW-30

As you can see it was a good thing that I brought some extra prizes (hi). There were many works of art here folks and I know Paul had a hard time choosing. I would like to thank the following people for submitting entries into the building contest: Larry Stambaugh WB0RMT, Alex Stambaugh KC0EBK, Darrel Swensen KB0AWB, Walt Holling N9MZP (Walt came all the way from Illinois with a stop-over in Omaha; now there is a true QRP'er), Mike Fitzgibbon N0MF, Ade Weiss W0RSP, and John Burnley NU0V. Everyone who submitted an entry was awarded a Tick 3 keyer chip with a data sheet. The chips were donated by Embedded Research and our thanks to Gary and Brad.

Here is a sample of the goodies on display in Sioux City (not all were entered into the building contest). Walt N9MZP brought his scratch built Tuna Tin 2, SWL DSW-30, tuner, Noreaster 6 meter am transceiver (from a previous issue of Communications Quarterly), 6 meter tuner, SWL Mark 2 (autographed by Dave Benson himself), Tick 4 keyer, power meter, and dummy load. Darrel KB0AWB brought his Wilderness SST (40 meter) and Ft. Smith VE3DNL marker generator. Alex KC0EBK brought a spider web coil xtal set, junk box REGEN (that he built with his father), and a film can xtal set. Larry WB0RMT brought his DSW-20, NC20 (you should see his finishing job on this one; it is a beauty), Ten Tec tuner, and his prototype altoids receiver project (this one has some outstanding numbers but more details will follow after he is through tweaking and I get another newsletter article out of him hi; Larry built

this punch pad
aka Manhattan style with the board fitted into an altoids tin; a real FB job!).
Mike N0MF brought his 2N2/40, two 10 meter punch pad (Manhattan style) SSTs (Mike has put SST's on 40, 15 and 10 meters), and another receiver project (unfortunately I cannot read my 'chicken scratching' to give any more details on this one). Ade W0RSP brought his AZscQRPions LED SWR indicator built into one of the Altoids 'tiny' tins, linear loaded antenna, KC-1 keyer and counter, his 'Altoids-1' transceiver (MRX receiver packaged with a homebrew transmitter in an Altoids tin, plus a set of home brew paddles. Ward N0EFW brought an SGC-2020. John NU0V brought a homebrew antenna / rig switch, NorCal 38 Special, NJQRP FB40, Ten Tec 6 meter receiving converter, Emtech ZM-1 tuner with AZscQRPion LED SWR indicator, Knightsmite, Pixie II, and Super Tick keyer.
What a great show!

Plus the club had the following information on display: NorCal QRPP(s), ARCI QRP Quarterly(s), G-QRP Sprat(s), CW Operators Club Low Key(s), St. Louis QRP Society Peanut Whistle(s), JARL QRP Club Newsletter (if I could read Japanese I would tell you the title hi), NJQRP QRP Homebrewer, 'Joy Of QRP' and 'History of QRP in the US' by Adrian Weiss (W0RSP), and Paul Hardens Data Book for Homebrewers and QRPers. We also had some vendor information (but not much) left over from the hamfest season.
Catalogs from Hands Electronics, Milestone Technologies, Ten Tec, SWL, and Kanga US were available as well.

As the meeting wound down Ade W0RSP, Jerry WB0T, Mike N0MF, Paul KB0JIT, and myself had a good old fashioned rag chew about propagation. Ade had some very good insight and hints that he shared with us. I only wish that I didn't have that 3 1/2 hour drive back to the Des Moines area so we could have spent some more time with that discussion. (I took his advice and rewarded myself with a CEO Easter Island at 07:00 UTC this morning; thanks much Ade!).

The ride home was made a lot easier by Mike N0MF. He and I chattered (about QRP of course) for an hour on two meter simplex down Interstate 29. He invited me to stop over to see his shack so I couldn't pass that up. Talk about builders Mecca! You would not believe all of the FB projects he has built (we won't even go into the parts inventory)!

This was a great kickoff for 2000 and my thanks to Jerry WB0T who made all the arrangements. This is going to be a great year for QRP and I'm getting really excited about the projects and gatherings (forums) that I am hearing about from the different clubs. You know its really hard not to get up on a soap box when you are talking about QRP.

72, John NU0V

Date: Sun, 27 Feb 2000 20:56:17 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [64380] [FS]: For Sale
Message-ID: <Pine.GS0.4.10.10002272042250.29308-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A little OT but there might be some who are interested.

POST Versalog Slide Rule, 1460L.

Like new, in the original genuine leather case and the original box! Box has some wear but still has the price tag of \$26.95 from 1958!

When I bought this new it about killed me.....that was a lot of money back then!

I'll include a book, "Slide Rule, How to Use It". Not in the best of shape but still usable. See how it was done back in the "good ole' daz"!!!

\$50 OBO. (I haven't a clue what something like this is worth....if anything!)

Second item is a camera:

Olympus OM-1.

In great shape. Includes a Olympus OM-System e.zuiko
AUTO-T 1:28 f = 100mm lens.

2 filters. Polarizing and haze.

I have seen just the body priced at \$250 with the lens
going for \$100 and up.

I'll be happy with an offer of \$250. Or trade for a
digital of equal value.

QRP???

Hmmmm, Oh...yes.... using a slip stick is much more
QRP than using some QRO calculator!

Thanks for the B/W,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Mon, 28 Feb 2000 00:37:48 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [64381] Fine Pitch SMT... surfboard flotilla board???
Message-ID: <000901bf81c7\$1f8750e0\$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

While we're on the subject of these fine pitch devices, I'd like to
resurrect an idea that I floated awhile back that started to get some
momentum and then we kind of dropped it.

I had suggested that we get together to design a large board (lets say 11" x
11") that would contain nothing but lots of fine pitch layouts with pad
escapements to something hand solderable. Extending out to say 0.1" (or
maybe we settle for 0.050" which I think most of us can hand solder). These
layout patterns could then be hand cut out of the sheet as needed for
manhattan-style assembly. Similar to punching out dots to use as isolated

pads, but making it relatively easy to HB with fine pitch (subject to very fine pitch SMT soldering issues being discussed also). I suspect that like the Norcal SMT kit boards, for quite awhile we are going to be doing designs that will require a few multi-pin fine pitch SMTs, and quite a few leaded devices, or 1206 packages which aren't a problem to solder directly. Having these transition boards would make it pretty easy to build with the new stuff.

As I recall we had a volunteer to do the layout, and just needed someplace to do the PCB fab. I'll bet we could get Far Circuits to carry the board as a standard if we design it and provide them with the layout (assuming they can hold tolerances tightly enough for this stuff). The cost per layout ought to be far cheaper than the commercial "surfboards" that you can get retail, and I can never find the one I want anyway.

Assuming that volunteer will step forward again to do the layout, we still need to define what should be on the board.

Shall we accept nominations for the footprints that we would find most useful? I suggest some superset combinations. For instance, for each pitch and width of part just put down the largest padcount version. It's a simple matter to use the center pads of the layout and cut off the extra. That way we can just have one layout for each pitch and width and cover all padcount variations. It should allow us to include several of each basic size. Does someone have the experience to suggest which patterns we should include and what proportion of each? Do we need to do a metric and a non-metric? If we are going to include BGA's, they will need to use multi-layer, probably at least four.

Perhaps that person who has the layout resources would like to report what patterns are available in sub 0.050" pad pitch patterns and play around with some trial layouts of those to see what will fit on an 11" board?

Would we rather have these escaped to 0.050", or 0.100"? I think I would vote for the 0.050" as I think that is reasonably easy to hand solder, and I suspect it will keep the footprint count per board up quite a bit higher.

Thanks all!

- Tom

?Tom Scott - Wyle Electronics - KD7DMH
10300 SW Nimbus Ave #PB, Portland, OR 97223
503-603-1931 - Tel 503-684-6620 - Fax
503-703-2032 - Cell

Date: Mon, 28 Feb 2000 01:52:42 PST
From: "Luke Enriquez" <vk3em@hotmail.com>
To: benmail@erols.com
Cc: qrp-1@lehigh.edu
Subject: [64382] Re: NORCAL Surface Mount Technology Kit (SMT Guide)
Message-ID: <20000228095242.53399.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Ben,

>I've reviewed some of the recent articles on SMT construction and
>will revisit them again. If some of the SMT constructors could
>give us some of the "tricks of the trade," pertaining to SMT
>construction, would certainly be appreciated.

Try this site.

<http://www.geocities.com/vk3em/smtguide/smtguide.htm>

I've spent quite a few hours detailing many tricks of the
trade. I want to make sure as many people as possible
try SMT and find out what great fun it can be.

Regards,
Luke
VK3EM

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 28 Feb 2000 03:04:17 PST
From: "Luke Enriquez" <vk3em@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [64383] SMT Guide Online - Thanks for your input.
Message-ID: <20000228110417.50838.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

People,

I would like to thank all those who contributed many
useful ideas and corrections to my "Guide for

prototyping with SMD/SMT". I've had some 500 hits in the past two days, which just goes to show that there are quite a few people interested in SMD.

I have added to the SMD Picture section (which now includes inductors, silicon (trans,fets,diodes) and IC's.

I have also added some pictures of PCB's I've used for SMD parts.

I would appreciate anyone else who has pictures of their SMD/SMT projects to forward them to me for inclusion on the page.

However, despite Doug's success, I would not use SMD in any chat up line for 19-teen year old girls :)

Cheers,

Luke

VK3EM - <http://www.geocities.com/vk3em/smtguide/smtguide.htm>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 28 Feb 2000 06:29:17 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [64384] WTB--Omni C
Message-ID: <200002280633_MC2-9AEE-25FD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

Interested in buying a pristine Ten-Tec Omni C, preferably with CW filters already installed. What do you have?

72,

--Doc Lindsey/K0EVZ

DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Mon, 28 Feb 2000 06:28:15 -0600
From: "Chuck Carpenter" <w5usj@GLOBECO.NET>
To: dpuckett@erinet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64385] Re: HamCalc
Message-ID: <3.0.2.32.20000228062815.007b78a0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan and group,

>Is there a home page for HamCalc, or anyplace to get the latest,
>greatest version?

Here's one place where you can download ver 19 from VE3ERP...

<http://www.qsl.net/wz1v/>

Watch out for rip-off imitations.

Chuck Carpenter, Point, Rains County, Texas -- RARA #003
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Mon, 28 Feb 2000 07:14:05 -0800
From: "David Benson" <nn1g@earthlink.net>
To: <fifi@pacbell.net>
Cc: <qrp-l@lehigh.edu>
Subject: [64386] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <009601bf8203\$67aa73c0\$9296173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dave-

I think it also covers the 100 mW 'toy' CB rigs that never required a

license. If I were using that spectrum, I'd look at the 'holes' in the channel allocations- they're 10 khz apart but there are 3 or 4 breaks in the sequence. (Those may correspond to RC channels, though.)

73- Dave, NN1G

-----Original Message-----

From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, February 27, 2000 9:11 PM
Subject: Re: Use 11 metres legally for QRP (USA only)

>James,

>

>I thought this was for unintentional radiators. I think that
>deliberately using this spectrum for radio transmissions is
>expressly disallowed somewhere else in the FCC regs.

Date: Mon, 28 Feb 2000 07:07:49 -0800
From: Dick Carroll <dixie@townsqsr.com>
To: w1hue@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [64387] Re: SMT parts
Message-ID: <38BA8F45.F88C676F@townsqsr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry East wrote:

>

> >From a recent QRP-L post:

> >

> >And back to the aging - I'm not a jeweler. luckily - I wear bifocals - I
> >can't even see those tiny parts, let alone figure out how to flow solder
> >them.

> >

>

> I also wear bifocals and can't see the damn things either ... heck, I can't
> even read the markings on most ceramic caps without help! That's why I have
> a magnifying lamp and several magnifying glasses! :-) Yes, even us Auld
> Fartz can handle SM parts if we try! I find SM caps ideal for adding bypass
> caps here and there -- they fit real nice between IC pins!

>

```
> Try it ... you might even like it!
>
```

The large SMD's are no problem. But I'm sitting here looking at a modem card that I just pulled from a PC that has all three sizes on it, and I can tell you there is NO WAY that most of us will ever do anything meaningful with those ****tiny**** thingies, the ones that use board traces about the size and spacing of a hair...That stuff WILL remain the domain of automation in manufacturing. Hobbyists? Why should anyone ever want to attempt such self flaggellation? It has NO practical side for homebuilders that I can detect.

Dick W0EX

Date: Mon, 28 Feb 2000 08:26:59 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Chuck Carpenter <w5usj@GLOBECO.NET>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64388] Re: HamCalc
Message-ID: <Pine.3.89.10002280850.A7680-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 28 Feb 2000, Chuck Carpenter wrote:

```
>  
> Here's one place where you can download ver 19 from VE3ERP...  
>  
> http://www.qsl.net/wz1v/  
>
```

Version 21 is available from my website, but there is very likely a newer one out now...

73,

Bob Patten, N4BP (0 0) Plantation, FL
o00o-()-o00

E-Mail: n4bp@bc.seflin.org
 Web Page: <http://www.qsl.net/n4bp>
 Brass Pounder BBS: (954) 472-7715
 SOC #1 Whiners #6

Date: Mon, 28 Feb 2000 07:41:02 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [64389] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <0974781F4FC8D211A24600902727E806011B1F7D@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Why would anyone want to? The CB'ers operate inbetween the channels, run illegal power that rivals amateur radio QRO, and over-modulate their AM transmitters to the point that they splatter from one end of the band to the other. We have plenty of space on ten or twelve meters that is free from the QRM caused by illegal operation. Why would anyone want to operate in that insane, phsyctic mess!

Hal

-----Original Message-----

From: James Johnson [mailto:kc5jpb@eudoramail.com]
Sent: Sunday, February 27, 2000 7:03 PM
To: Low Power Amateur Radio Discussion
Subject: Use 11 metres legally for QRP (USA only)

Hello:

Is anyone interested in using 11 meters QRP? No license is required...and, of course, technician class operators are included. Here are some details:

'15.227 Operation within the band 26.96 - 27.28 MHz.

(a) The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in '15.35 for limiting peak emissions apply.

(b) The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in '15.209.

I would love to hear if anyone is going to use that band. Write me at: kc5jpb@eudoramail.com

James Johnson
Arlington, Texas

Join 18 million Eudora users by signing up for a free Eudora Web-Mail

account at <http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 07:59:26 -0600
From: cd25d@rhapsodysails.com (Bill Slater)
To: <qrp-1@Lehigh.EDU>
Subject: [64390] Qrp Rigs
Message-ID: <002b01bf81f4\$06c154c0\$bd76130c@willies>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there a site or NG that sells/trades QRP Rigs? I am interested in finding out more about them and perhaps buying one.

Thanks & 73s
Bill
KD5GCX/KT

Date: Mon, 28 Feb 2000 08:59:41 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <flydnq7x@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [64391] Re: Wireless phone monitor
Message-ID: <012a01bf81f4\$af2e1760\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recall seeing an article somewhere on using a wireless phone as a remote mic (/control) for a base set. I think it was over 3 or 4 years ago, probably closer to 6 or 7.

Mike

> I'm sitting here in the living room with my xyl...she's watching TV,
I'm
> writing this note on my laptop
> and listeming to Ed Hare operate W1FB on my wireless fone....neat and
handy.
> I got this GE 900Mhz

> wireless phone recently and wondered why I couldn't just unplug the
phone
> line from the base unit and
> feed audio from my receiver into it and then be able to wander around
and
> head copy cw. Just wired
> a suitable phone plug to the end of a phone cord attached to the green
and
> red wires...plugged into
> my receiver phone jack and the phone base unit and voila, found I can
walk a
> block away and still
> copy fb. Of course I'm using a headset with the phone. You don't want
to do
> this of course if it's
> your only phone
> Floyd NQ7X Phoenix,AZ ScQRPion
>
>
>

Date: Mon, 28 Feb 2000 08:08:11 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <hdeitz@ms.rose.cc.ok.us>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [64392] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <006b01bf81f5\$8b208c80\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently repaired an old CB handheld (QRP power if you will) for my
father-in-law. Bad on-off switch. It had two xtals in it. I listened to
one briefly one evening. Some stuff some savage was playing on it wouldn't
be allowed on the most "open" X-rated cable channel. No intelligent
conversations at all. Talk about a wasteland. Not fit for human
consumption.

Nope. Move the QRP rigs off of 11 and onto 10 or somewhere....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle

SOC#198

"Ancient Pistol, I do partly understand your meaning."

> -----Original Message-----

> From: James Johnson [mailto:kc5jpb@eudoramail.com]

> Sent: Sunday, February 27, 2000 7:03 PM

> To: Low Power Amateur Radio Discussion

> Subject: Use 11 metres legally for QRP (USA only)

>

>

> Hello:

> Is anyone interested in using 11 meters QRP? No license is

> required...and, of course, technician class operators are included. Here

> are some details:

Date: Mon, 28 Feb 2000 08:16:14 -0600

From: "John Burnley" <burnleyia@home.com>

To: <qrp-1@lehigh.edu>

Subject: [64393] Club: IAQRP needs vendor information for display

Message-ID: <000e01bf81f6\$5f2bb0e0\$1b790818@c149552-a.west1.ia.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Yes, it is that time of year again! My inventory of QRP vendor information is almost completely exhausted. If any of you QRP vendors would like your information (catalogs etc.) displayed and distributed by the Iowa QRP Club at hamfests and meetings then please email me privately. Your information greatly adds to our display tables! Thanks in advance.

72, John NU0V

Date: Mon, 28 Feb 2000 08:38:33 -0600

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [64394] Re: pleez splain

Message-ID: <00c501bf81f9\$8067f680\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wonder if it's like what I experienced yesterday. I posted a message to the group. Kept my connection open and within a few minutes I got a reply off-list to my message. But, as of that time, and for the next -seemed like 15 to 20 minutes or so, I never saw a copy of my original post on the list. I shut down that computer and spent the evening out in the family room where I did check e-mail a time or two. Still never saw my original post.

I saw it this morning. Hmmm, wonder if the guy who answered off-list, simply read my mind?

Weird.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
May Goddes love blest ye alle
SOC#198
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: Dave Benham <dodgeboy@mindspring.com>
To: Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>
Sent: Sunday, February 27, 2000 7:53 PM
Subject: pleez splain

> Can someone explain to me how the list works and how the average ISP folds
> into the overall picture?
>
> The last e-mail I got from the list was over two hours ago. It would seem
> that this would be prime time (6:30PM to 8:50PM EST) and I would expect to
> see at least SOME activity.
>
> I am suspicious of some sort of problem because this lack of activity
seems
> to happen periodically, as well as some posts which are replies to posts
> that I don't believe I ever saw. Maybe there just isn't any activity on
the
> list.
>
> Does the list keep this activity and burp it out every couple of hours, or
> is it pretty immediate that things are passed on? What might the issue be

> with my ISP if, in your considered opinion, the problem may lie there?
>
> I hope this isn't a thermos thing (as in "how do it know?")!
>
> Thanks for any input.
>
> Dave K8TRF
>
>

Date: Mon, 28 Feb 2000 09:50:47 EST
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [64395] FS: Midland 11 meter FM HTs
Message-ID: <44.1eba2c0.25ebe547@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

While on the thread of what to do with 11 meter rigs, let me throw this one in. I have 2 Midland 75-160 11 meter FM (yes, FM) HTs for sale. I purchased these to convert over to 10 meters, the only sensible thing to do with an 11 meter rig. I was going to put them on 29.6MHz and a local repeater frequency, but never did. Time is my enemy of late, and I wish to direct my time to other more pressing projects (like re-modeling the house!).

These are 9V operated, 100mw output, telescopic antenna, compact, 3 crystal controlled channels. Currently on 3 of those "in-between" channels, 27.095, 27.145 and 27.250MHz. Yes, that is the way Midland sells them in the US. The manual shows the schematic, looks very straightforward to convert.

They sold for \$29 each. I will ship both of them to you for \$50. 10 meter FM is going to be hot soon!

72

Howard Kraus, K2UD

Date: Mon, 28 Feb 2000 10:04:20 -0500
From: Laura Halliday <va3ldh@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [64396] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <38BA8E74.6B3E7448@sympatico.ca>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SMT with 1206?! Once you've worked with SMT you'll start to find 1206 parts big and clunky. I use 0805 most of the time. SMT is here and has been so for a long time. It's just ham radio's hangup about new technology that has held things back.

Manufacturers care a great deal about the thermal specs of their parts and document them extensively, by the way. If they can survive industrial reflow soldering they are going to be hard to kill with a soldering iron (try it!).

I prefer to use a long fingernail to hold parts down while soldering. You only need one finger (as opposed for 2 for a toothpick) and you get immediate feedback (ouch!) if you're overdoing it with the heat.

--

Laura Halliday VA3LDH "Laisse le vent tout emporter..."
Grid: FN03gs - Foly/Viennet

Date: Mon, 28 Feb 2000 10:07:38 EST
From: Wb8siw@aol.com
To: hdeitz@ms.rose.cc.ok.us, qrp-1@lehigh.edu
Subject: [64397] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <ab.1061a45.25ebe93a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have to agree with Hal. We have a wide open CW subband on 10 Meters which is underutilized. There is little difference between propagation characteristics at 27 and 28 MHz. As a matter of fact, increased use of the 10 Meter CW subband may discourage illegal CB use.

With all due respect, the proposal to operate on 11 meters QRP makes no sense to me.

73, Jim WB8SIW

Date: Mon, 28 Feb 2000 10:18:45 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "'cw@qth.net'" <cw@qth.net>, "6mt.com" <50mhz@6mt.com>, "50mhz@qth.net"

<50mhz@qth.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [64398] ZS1J/Beacon on 28.202.5
Message-ID: <38BA91D3.FC39C30D@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good morning all:

It is 1518 z,Feb 28/2000...Sounds like 10 and 15 are in for some excitement..I am listening to the ZS1J beacon...And signal getting stronger..

73

Fred

VE3FAL

EN58jj

Date: Mon, 28 Feb 2000 10:21:49 -0500
From: Ed Kessler <edkess@epix.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [64399] Sierra Band Module Storage?
Message-ID: <38BA928D.6DDF5DDC@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any suggestions as to how to conveniently store Sierra modules inside the case?

What are you using for module storage outside the case?

73s

Ed AA3SJ

Date: Mon, 28 Feb 2000 09:35:21 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <kc5j pz@eudoramail.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [64400] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <000001bf8201\$6d173980\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

You site part 15, what about Part 95? 11-meter qrp is illegal for several reasons unless you only want to talk from room to room but with the noise level you need full legal power anyway....

You can't use that home-brew or 10-meter conversion rig on CB at any power level.

Part 95.409 - (CB Rule 9) What equipment may I use at my CB station?
(a) You must use an FCC certified CB transmitter at your CB station.

If you can't talk with anyone more than 150 miles away what's the point?

Part 95.413 - (CB Rule 13) What communications are prohibited?
(9) To communicate with, or attempt to communicate with,
any CB station more than 200 kilometers (155.3) miles away.

You may use the argument that you are a ham station and not a CB station.
In that case you are transmitting out of band and are illegal under part 97.

For a complete view of Part 95 you can get it in two versions:
Plain English at
<http://www.qsl.net/wb5rue/part95plainenglish.html>

or in "legal talk" at
http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/cfr/1998/47cfr95.pdf

You will need the Acrobat reader for the "legal talk" version.

72/73

Kevin, WB5RUE

In Christ the force has no dark side.

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> James Johnson

> Sent: Sunday, February 27, 2000 7:03 PM

> To: Low Power Amateur Radio Discussion

> Subject: Use 11 metres legally for QRP (USA only)

>

>

> Hello:

> Is anyone interested in using 11 meters QRP? No license

> is required...and, of course, technician class operators are

> included. Here are some details:
>
> '15.227 Operation within the band 26.96 - 27.28 MHz.
> (a) The field strength of any emission within this band
> shall not exceed 10,000 microvolts/meter at 3 meters. The
> emission limit in this paragraph is based on measurement
> instrumentation employing an average detector. The
> provisions in '15.35 for limiting peak emissions apply.
> (b) The field strength of any emissions which appear
> outside of this band shall not exceed the general radiated
> emission limits in '15.209.
>
> I would love to hear if anyone is going to use that band.
> Write me at: kc5jpb@eudoramail.com
>
> James Johnson
> Arlington, Texas
>
>
>
> Join 18 million Eudora users by signing up for a free Eudora
> Web-Mail account at <http://www.eudoramail.com>
>

Date: Mon, 28 Feb 2000 08:35:22 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Cc: "CQCList" <CQCLIST@MTECHNOLOGIES.COM>
Subject: [64401] CQC test QRPp
Message-ID: <004701bf8201\$92b6e0a0\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cheap Thrills!

I had just finished fixing my wind ravaged 40m 5/8 invert L vertical(43' vert + 37' horz) fed with twinlead. High winds had ripped the top wire loose from it's mooring. Also tied on some more radials bring the total up to 50 radials (and more to come).

Decided it was time to test her out. Hmmm, CQC test is in progress. Tried 10m heard a few weak sigs no joy ...drooped to 15m and snagged a few Qs w/250mW. Yahooo! On to 20m and more stns ...now w/100mW! WOW (yes, I had to

send some repeats but still they heard me. Amazing!)

Later, after dinner I hit 40m and managed to work the east coast (NJ w/100mW a first for me) and several other CQC 'testers were snagged but it was a lil more of a challenge on 40 QSB/QRN/QRN. It took more than I call! ;-)

FUN 'test - worked about 12 stns with less than 2 watts cumulative-total power.

Milliwatting during a contest is too easy ...it's like shooting fish in a barrel! It sure helps having good hungry ears on the other end. IMHO - milliwatting is a good test of all systems - operator and equipment! (but be careful it's addicting)

TU CQC and gang!Steve/n0tu

Date: Mon, 28 Feb 2000 07:40:07 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [64402] Re: [FS]: For Sale
Message-ID: <Pine.GS0.4.10.10002280737450.1699-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

The slide rule is gone.

The OM-1 is still waiting..... :-)

(There was one trade offer but we are moving into the RV and I can't collect any more "stuff"!)

But I will trade it for a digital camera of somewhat equal value.

Thanks,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qs1.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Mon, 28 Feb 2000 09:42:02 -0600
From: Richard Matthews <prim@hiwaay.net>
To: va3ldh@sympatico.ca, QRP-L@lehigh.edu
Subject: [64403] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <3.0.1.32.20000228094202.00c278b0@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:04 AM 2/28/00 -0500, Laura wrote:

>
>I prefer to use a long fingernail to hold parts down while
>soldering. You only need one finger (as opposed for 2 for a
>toothpick) and you get immediate feedback (ouch!) if you're
>overdoing it with the heat.
>--
>Laura Halliday VA3LDH

.....
Well guys, our ham future of working with SMT's is staring us straight in the face, but how are we going to operate the key with those long fingernails getting in the way? Could there be a future QST article entitled, "Care and repair of solder damaged fingernails". And then what about the color clashes? Does hot pink really go with khaki and plaid?

Just kidding Laura, just kidding.

73,

WA4NWW, Richard

Date: Mon, 28 Feb 2000 09:41:16 -0800
From: Dick Carroll <dixie@townsqr.com>
To: va3ldh@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [64404] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <38BAB33C.3B3D7ADE@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Laura Halliday wrote:

>
> SMT with 1206?! Once you've worked with SMT you'll start to

> find 1206 parts big and clunky. I use 0805 most of the time.

So enlighten us- Just what ham radio homebrew device have you designed and built using 0805 SMT devices, with the board that you homebrewed at your standard ham radio workbench???

> SMT is here and has been so for a long time.

YOU haven't been here for a long time!

>It's just ham

> radio's hangup about new technology that has held things back.

>

Really??? Tell it to Icom, Kenwood, Yaesu, Alinco...I doubt they'll agree any more than most hams will agree that they resist all the new technology. (I LOVE it). What it DOES illustrate is your lack of understanding of the hobby of ham radio. It is an all-encompassing hobby including all facets of radiocommunications, old and new...including many digigeeks like you!

NOTHING ANYWHERE mandates that we all must have the same interests or be dedicated to the same facets of the service. Broaden your perspective and enjoy the wide spectrum of interests and activity that is unparalleled elsewhere.

> Manufacturers care a great deal about the thermal specs of
> their parts and document them extensively, by the way. If
> they can survive industrial reflow soldering they are going
> to be hard to kill with a soldering iron (try it!).

No doubt. The last thing they need is components failing during the stress of automated manufacture. Such automation is not likely to become a part of ham radio homebrewing, however, beyond 'kitting' by some capable organization, or other entity which deliberately geared up to do it. No doubt individual effort at such minaturization could be done, and WILL be done by a few who are oriented toward that vocationally. Darn few others, and it's not at all likly to become mainstream. Just more reason to BUY rather than build, if another reason was needed. I guess next you're gonna tell us that you can, and *I* should be able to, easily duplicate my IC756!

Where this is leading is not obscure in the least.
Electronics is moving faster and faster toward *REAL* LSI
construction, where EVERYTHING will be on a single chip.
Try brewing one of those in your home workshop.

Dick W0EX

>
> I prefer to use a long fingernail to hold parts down while
> soldering.

Well, that leaves me out. Mine are too brittle :-)

Date: Mon, 28 Feb 2000 09:07:28 -0600
From: wa7lnw@infowest.com
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>, Low Power Amateur Radio
Discussion <qrp-1@lehigh.edu>, David G Bastress <k3gau@juno.com>,
Richard Briggs and Carol Gibson Bragg <wa7mtf@intrepid.net>, Dan Farwell
<w8eqa@msn.com>, Martin Harrison <m.harrison@pol.keelee.ac.uk>,
Subject: [64405] WA7LNW/QRP 28.288 mhz Beacon MOBILE!
Message-ID: <20000228160405.2B369210B6@infowest.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hello QRP beacon monitors,

The WA7LNW /QRP / Beacon @ 28.288 mhz goes "MOBILE" tomorrow (Monday, Feb.
28th).

Traveling from HURRICANE, UT (DM-37) south to CAVE CREEK, AZ (DM-43 Phoenix
area).

- - - - - WA7LNW/QRP "MOBILE BEACON" 28.288 mhz - - - - -

Listen for our WA7LNW/QRP Mobile Beacon @ 28.288 mhz
Monday, Feb. 28th
Mobile during 1900 UTC to 0200 UTC
Hurricane, UT to Cave Creek, AZ

Rig: Elecraft K-2 QRP 5 watts
Ant: Mobile whip

- - - - -

Please listen for our beacon signal from Cave Creek, AZ all this week.

Reception reports to: wa7lnw@infowest.com

Thanks!

73's de Jack, WA7LNW

WA7LNW Beacon Home Page: www.qsl.net/wa7lnw

Date: Mon, 28 Feb 2000 11:02:33 -0500
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <edkess@epix.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [64406] Re: Sierra Band Module Storage?
Message-ID: <003e01bf8205\$3a4040c0\$57f94e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed:

I use Velcro strips inside the cover, (hooks), and matching stripes on the back of each module.

For transportation, I can fit four modules plus earbud type headset inside the Sierra. While in operation, only three modules fit inside. I also have a pair of 1" squares pieces of velcro on the back panel, to which I can attach another module or two 4- AA battery packs, if needed.

At home the modules are handy in a clear plastic box.

Another good idea for field/transport is to make your tuner a little larger in a RS black plastic project box and use the convenience of those slots inside, and slip a pc board as a divider, so a section of the box could be used for storage. The drawback is that you have to screw/unscrew the lid every time you need access the inside.

In this way you are carrying just two boxes with everything needed for field operation.....(well , your pen and logbook can go in your pocket).

72,
Hugo
CX9AAK/W2

Date: Mon, 28 Feb 2000 11:14:55 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-l@lehigh.edu>, NoVa QRP group <NoVaQRP@topica.com>, NJ QRP Club <njqrp@njqrp.org>
Subject: [64407] GM30XX/QRP is on 28.060.6 at 1614Z
Message-ID: <38BA9EFE.EA30017D@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just worked GM30XX/QRP -- he is at 1 watt on 28.060.6

Jake -- N4UY/QRP
Vienna, VA
(Wash DC suburbs)

Date: Mon, 28 Feb 2000 10:16:50 -0600
From: John Bohnert <johnb@elmhurst.edu>
To: h.catta@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64408] Re: Sierra Band Module Storage?
Message-ID: <38BA9F72.DEE8F099@elmhurst.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I used a VHS video storage case for in-shack storage of four modules. A small block of styrofoam was used as filler to provide a 'snug' fit.

72 N9KW John Elmhurst, IL NORCAL 1257

Date: Mon, 28 Feb 2000 11:27:50 -0500

From: Bruce Muscolino <w6toy@erols.com>
To: dandoooley@pipeline.com
Cc: qrp-1@lehigh.edu
Subject: [64409] Re: pleez splain
Message-ID: <38BAA206.BE1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan,

I for one would like to know more about ISP operations.. Maybe there is someone on the list that has that experience. I strongly doubt the guy you mentioned read anything you posted 'off the list' - if you sent it to the list that should be the only place he could read it!

73

Date: Mon, 28 Feb 2000 17:28:03 +0100
From: =?iso-8859-1?Q?St=E9phane_Collas?= <scollas@club-confair.com>
To: <jakecart@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64410] Re: GM30XX/QRP is on 28.060.6 at 1614Z
Message-ID: <013b01bf8208\$c99508c0\$047173c3@magic.fr>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

GM30XX is my mentor.

He is a great QRPer and Radio.

He always built all his rig.

1w is his usual power.

Great stuff Jake !

73's de Steph, F5NZY
<http://www.qsl.net/f5nzy>

----- Message d'origine -----
De : John L. "Jake" Carter <jakecart@ix.netcom.com>
: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Envoy : lundi 28 f vrier 2000 17:14

Objet : GM30XX/QRP is on 28.060.6 at 1614Z

> Just worked GM30XX/QRP -- he is at 1 watt on 28.060.6
>
> Jake -- N4UY/QRP
> Vienna, VA
> (Wash DC suburbs)
>
>

Date: Thu, 11 Jan 1990 05:42:25 -0800
From: "Bill Jones" <kd7s@psnw.com>
To: <dixie@townsqsr.com>, <qrp-1@lehigh.edu>
Subject: [64411] Re: NORCAL SMT kit... The Future is coming...
Message-ID: <000201b4267a\$08d52ce0\$31f02bce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Dick,

I'm not sure where you were coming from with your post about Laura Halliday but I have to tell you that you are considerably off base and very much out of line with your comments.

Laura wrote a surface mount primer and tutorial in an issue of QQ a couple years ago. I believe she is lightyears ahead of the general ham (homebrew) community using modern technology.

If it were me I think I would want to offer an apology.

Date: Mon, 28 Feb 2000 11:54:04 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [64412] Thunder Bay QRPers to meet next week...
Message-ID: <38BAA82C.1CD0363E@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Had a phone call yesterday from a local QRPer who wants to get together with the other QRP folks in the city..So far there are about 10 of us who play with QRP..We are going to meet to discuss equipment(and show off what we have)..Articles,and anything else that has to do with QRP...They want me to talk about and fill them in on the foxhunts,how they work etc...I will also fill them in on the Spartan Sprints,and QRPL,as well as QRPC....We want to start our own club here in Thunder Bay...A name has been thought over for a while,Little Thunder QRP Club...So will see how it goes next monday,maybe get a few more involved...

73

Fred

VE3FAL

Thunder Bay,Ontario

Date: Mon, 28 Feb 2000 11:04:03 -0600
From: "George T. Baker" <w5yr@att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64413] Re: pleez splain
Message-ID: <38BAAA83.D1EA58C1@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One other thought: your own ISP was a little "late" in picking up and displaying your email to the list as a list posting for you to read. The other fellow's ISP was quicker so he saw the list posting before you did. Shouldn't be that much time differential, but who knows? Your ISP may have queued things up while doing maintenance or whatever.

I agree with Bruce: mysterious business - "there be dragons!"

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Bruce Muscolino wrote:

>

> Dan,

>

> I for one would like to know more about ISP operations.. Maybe there is
> someone on the list that has that experience. I strongly doubt the guy

> you mentioned read anything you posted 'off the list' - if you sent it
> to the list that should be the only place he could read it!
>
> 73

Date: Mon, 28 Feb 2000 12:04:19 -0500
From: "Pete (N9SSA)" <n9ssa@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [64414] HB: Frequency Adjust on TT2?
Message-ID: <4.2.2.20000228115730.00cb06b0@172.16.1.100>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy folks -

I enjoyed working W1FB this weekend, from my Yaesu FT-900/AT, but sure wish I could have gotten it together to work him with my TT2!

My TT2 transmits a ways above 7040, and I have no way yet to adjust the frequency.

I experimented with adjusting c2 , 100pf to ground, off of xtal, with minimal success. I could get it to bend a bit (37pf cap + 50pf varicap), but it would stop oscillating on me. Being a newby, I thought I'd ask, instead of hack.

http://www.njqrp.org/tuna/tuna_schematic.jpg

Can anyone suggest the best way to get a couple of Khz "rubber banding" of the xtal on a TT2?

TU es 73!

N9SSA - Pete Hoffswell
Holland, MI - EN62wt - 42.79N 86.15W
n9ssa@arrl.net <http://www.qsl.net/n9ssa>
QRP-L #2109

Date: Mon, 28 Feb 2000 11:09:39 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [64415] Solid State Technology
Message-ID: <0974781F4FC8D211A24600902727E806011B1F88@saturn.rose.cc.ok.us>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

A long time ago in a land far, far away there was a young man that built his own radio equipment. The devices in use at the the time were made of glass. this young man's parents were very poor, but his desire to build his own radio equipment was very strong. The only choice that he had was to make his own glass devices. He did so. Surprisingly enough, they worked. This man grew up to be one of the pioneers of radio. Does anyone know what his name was?

By the way, instead of complaining that it won't work or that you can't do it, maybe you should just try it and make whatever changes you need to make it work. I wear glasses, my hands are not steady anymore and feet get cold, but I am looking forward to helping my wife build her first kit and she is so excited that she is telling everyone!

Hal

Date: Mon, 28 Feb 2000 09:15:10 -0800
From: Jeff Grudin <grudin@vdbb.com>
To: qrp-l@lehigh.edu
Subject: [64416] ZK3HC One of ours?
Message-ID: <38BAAD1E.1821E13E@vdbb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I worked ZK3HC/QRP last night. I seem to remember someone talking about going to that area. Is he someone form the list?

I copied the QSL via as DL9HC or possibly DL9HCU? The sigs were weak and lot of QRM. Anyone know for sure?

Thanks.

--
73 de AC6KW <mailto:grudin@vdbb.com>
Jeff Grudin, DVM Web Add: <http://www.vdbb.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Mon, 28 Feb 2000 12:20:03 EST
From: NM5Mike@aol.com

To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [64417] Receiver Comments
Message-ID: <dd.1d106dd.25ec0843@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Has anyone on the list built the "Rock Bending Receiver" that is detailed in the 2000 ARRL Handbook. If so I would appreciate comments concerning performance.

Regards,

Eric NM5M

Date: Mon, 28 Feb 2000 09:45:01 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [64418] 38S is sold
Message-ID: <20000228.094502.-251453.6.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Tnx for ALL the responses. The only fair way for me to do this was to respond to the person who emailed me first. If the deal falls thru, the next person will be notified. Mni Tnx
Marv Fagenson
k6hcj@Juno.com

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 09:46:57 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [64419] MAGNETIC LOOP PAGE!
Message-ID: <38BAB491.D05@qsl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, I received an email from Tony/ON4CEQ.

>>BEGIN QUOTE:<<
Hello OM's,

I don't have much time anymore to reply E-mails abt the loops, that's
why I
removed
the page, If you are interested to put the Loop Page online or you know
somebody else
who want, it's OK for me.

VY 73's de ON4CEQ.
>>END QUOTE<<

Tony sent me a 234 Kbyte ZIPFILE. I unzipped it
and it is everything associated with his MAGLOOP
page.

This includes the hambrew butterfly capacitor and
piston capacitor designs.

I would post the page to my webpage but FTP hasn't
worked since the firewall was installed.

If you want the zip as an "Attachment", I will gladly
reply to any mail request. Please, only if truly
interested.

This is the entire magloop page and someone wants to
put it on their page and support it, it is OK with
Tony. And easier for people to download.

Send email to <mailto:we6w@qsl.net>

72/Ed we6w

--
-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

Date: Mon, 28 Feb 2000 10:29:18 -0700
From: "Rod, N0RC" <n0rc@yahoo.com>
To: <n9ssa@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [64420] Re: Frequency Adjust on TT2?
Message-ID: <03a201bf8211\$b21c0960\$9e101004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pete et.al.

My TT2 came in at 7043. I played around with small cap values in parallel with the XTAL. 22pF pulls the frequency down to 7041.7, a second 22pF (44pF total) brings the frequency down to 7041. As I add these values my Pout does drop abt 50 & 100 mW respectively. If I recall correctly, when I added more the 60-80pF total in parallel the OSC would stop.

I'm satisfied with 7041.7, Pout is ~400mW, and I'm just above the digi-QRM.

I'm thinking about adding a small trimmer, say 0-50 or so, but I'm not sure how stable that would be. Another test/thing to try for a rainy day. ;-)

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Pete (N9SSA) <n9ssa@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, February 28, 2000 10:04 AM
Subject: HB: Frequency Adjust on TT2?

> Howdy folks -

>

> Can anyone suggest the best way to get a couple of Khz "rubber banding" of

> the xtal on a TT2?

>

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Mon, 28 Feb 2000 10:12:54 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [64421] QRQ Net Summary.
Message-ID: <38BABAA6.70DD@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, the QRQ net was blessed with outstanding conditions for us QRQ'ers.

QNI list:
WE6W/Ed (ncs), NW7DX/Ben, KD6AX/Dan, K6RPN/Doug,
W7IHN/Barney, NB6M/MM/Wayne.

And after the net, a veteran QRQ military operator in BC had a nice chat with Ben. VE6QSL was impressed with the net and might stop in for a QNI.

Wayne was /mm somewhere on his sailboat south of Mexico and heard my 5 Watt signal but his antenna isn't efficient enough to break in. Wayne went 100 Watts to say hello but had to QRT so he didn't kill his battery.

Stations QRT at different speeds from 26 WPM to 34 WPM, then Ben and I ran it up to 50 WPM in 2 wpm increments. Ben is now very smooth at 50 WPM. I however, over practiced this week and even though I was clean at 50 WPM on Friday, I pooped out after 48 wpm, but we ragchewed at 50 WPM for about 4 rounds before the net finished and became "Free", QNF.

I'll post the new Traffic Sentences with a Wednesday target date.

OH, next Sunday I break out the Vibroplex bug so don't know how long I'll last. I'll max out at some speed under 40 WPM but the net continues as far as you are there increasing your speed.

72/Ed we6w

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

Date: Mon, 28 Feb 2000 12:23:57 -0600

From: Karl Kanalz <KKanalz@excel.com>

To: "'bryan@koen.net'" <bryan@koen.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [64422] RE: Tentec Kits

Message-ID: <2D343922E283D211945C0008C7A41B2A01A744D3@adntex01.adsn.dal.excel.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

I have a 1340 and a 1330. They not only went together well, but they were easily tested and aligned. For their cost, they perform very well, Bryan!

They ARE a lot heavier than some of the other similar-powered QRP radios, so they may not be suitable for backpacking (in your application?). Great for home, though, where space and weight are not a problem.

Karl K - McKinney, Texas

-----Original Message-----

From: Bryan Koen [mailto:bryan@koen.net]

Sent: Friday, February 25, 2000 10:46 AM

To: Low Power Amateur Radio Discussion

Subject: Tentec Kits

Does anyone have any experiences (good/bad) with building the Tentec QRP xcvr kits that they could share?

Thanks,

Bryan Koen

N0YKN

Date: Sun, 27 Feb 2000 15:07:25 -0600

From: Oscar A Hoyt <k5ubs@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [64423] Re: Furnace RFI

Message-ID: <20000228.125438.-13205.6.k5ubs@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Two suggestions:

1. move to a warmer area... (not that easy)
2. my 2-3 year old gas furnace uses a glow plug type igniter as does the gas cook oven. check with manufacture see if they have glow plug type that would replace it. Brand of mine is "Bryant"

>I have a furnace with one of those damnable electronic ignitions. It
>acts
>as a wonderful spark-gap transmitter. Tried bypassing the thermostat
thom -k3hrn

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 12:02:40 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: wb5rue@stic.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64424] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <38BAC650.6F52A37A@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kevin is right. 11 Meters is no longer a ham band. Use of your call
sign on 11 Meters is just asking for trouble.

Why in the world would anyone want to go through all the licensing
procedures and then operate there?

--
72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Mon, 28 Feb 2000 13:08:16 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64425] Re: MAGNETIC LOOP PAGE!
Message-ID: <05e201bf821f\$3ae8de00\$0200000a@aplitech>

I emailed Ed and offered the MNQRP Society website as a new home for these pages. Ed has forwarded them to me. I will put them up tonight.

73 de Cla KA0GKC\

| Gang, I received an email from Tony/ON4CEQ.
|
| >>BEGIN QUOTE:<<
| Hello OM's,
|
| I don't have much time anymore to reply E-mails abt the loops, that's
| why I
| removed
| the page, If you are interested to put the Loop Page online or you know
| somebody else
| who want, it's OK for me.
|
| VY 73's de ON4CEQ.
| >>END QUOTE<<

Date: Mon, 28 Feb 2000 11:25:12 -0800
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64426] Re: Furnace RFI & MORE!!
Message-ID: <001101bf8221\$88ae01e0\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Speaking of cook ovens, last night I got a 'bang, bang, bang' on my front door about 8pm. It's a neighbor from over almost a mile away complaining that I am responsible for his Sears new glass top cooking oven turning off sporadically! Everyday between 4:30p and about 7p, they set the oven to on, and lo and behold somebody (me!) turns it off.

I explained NO WAY in so many words. I think he got my drift, however he has

had two service reps (Sears and a local independent) and they BOTH said HAM RADIO waves were responsible. Oh boy...me an my powerful K2 and up to no good again...

Although I'm not the culprit, there are no other hams or cb'ers in the area...so it is quite puzzling. In meantime, I guess he'll have to eat at McDonalds...

73 John K7FD

Subject: Re: Furnace RFI

> Two suggestions:
> 1. move to a warmer area... (not that easy)
> 2. my 2-3 year old gas funace uses a glow plug type igniter as does the
> gas cook oven. check with manufature see if they have glow plug type that
> would replace it. Brand of mine is "Bryant"
>
> >I have a furnace with on of those damnable electronic ignitions. It
> >acts
> >as a wonderful spark-gap transmitter. Tried bypassing the thermostat
> thom -k3hrn
>
>
> Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

Date: Mon, 28 Feb 2000 11:31:47 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: john@neknetwork.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64427] Re: Is there a "slower" fox hunt ever?
Message-ID: <20000228193147.19664.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

John, don't be shy about calling others even if it took you a while to copy the call sign ... most ops will reply back around the speed that YOU call them at. As for the fox, listen long enuff that you are sure its the fox. A tip - if you are using a rig with RIT or 2 vfo's see where the other ops are getting there qso's. Many hams will QRS for us, as there are many that operate faster than my limit (18-24 wpm) as well.

Call CQ on the QRP freqs at your speed - the qso's will come!

curt wb8yyy

--- john@neknetwork.com wrote:

> Hi Folks,
>
> This is my first posting to this (very) active list.
>
> I'm quite interested in QRP, I've built a few
> "little" radios from kits,
> etc.... One of the reasons I got into Ham radio was
> to build my own gear
> - that's where it's at for me. Today I had my first
> QSO at 5 watts of
> power with W1RC - boy was I psyched when he came
> back to me, with a 589
> rst to boot! I tried sending CQ at 2 watts, but
> couldn't scare up a QSO.
>
> Anyway, I really would have liked the to work W1FB
> this weekend (heard
> some of it), but to be honest, the speed at which
> the CW is being sent
> is a bit too fast for me. I really crammed and
> worked to pass my General
> CW test the other day, but it's still a struggle to
> keep up at high
> speed. I'm sure I personally will be a speed burner
> too one day - but I
> want to get in on the fun now!
>
> Can there be, or is there already, a planned event
> where say 10 wpm CW
> could be the order of the day? I realize it wouldn't
> fill a log as fast,
> or as deep, but I think there are probably more than
> a few ops out there
> who would love to play but can't.
>
> Finally, thanks to all for such an active and
> informative list. I'm
> learning tons here! 73,
>
> John - KB1ENS/AG :)

>
> --
> John Wagner - john@neknetwork.com
> Web page: <http://www.neknetwork.com>
> Affordable web site hosting under your domain name!
> C/C++, Perl, CGI, RDBMS, Web site creation and
> Network Administration
>

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Mon, 28 Feb 2000 13:34:53 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU, wb5rue@stic.net
Subject: [64428] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <LAGNABCJNFCEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 09:35:21 Kevin Muenzler, WB5RUE wrote:
>You site part 15, what about Part 95? 11-meter qrp is illegal for several
>reasons unless you only want to talk from room to room but with the noise
>level you need full legal power anyway....
>
>You can't use that home-brew or 10-meter conversion rig on CB at any power
>level.
>
>Part 95.409 - (CB Rule 9) What equipment may I use at my CB station?
>(a) You must use an FCC certified CB transmitter at your CB station.
>
>
>If you can't talk with anyone more than 150 miles away what's the point?
>
>Part 95.413 - (CB Rule 13) What communications are prohibited?
>(9) To communicate with, or attempt to communicate with,
>any CB station more than 200 kilometers (155.3) miles away.
>
>You may use the argument that you are a ham station and not a CB station.
>In that case you are transmitting out of band and are illegal under part 97.

>
>For a complete view of Part 95 you can get it in two versions:
>Plain English at
><http://www.qsl.net/wb5rue/part95plainenglish.html>
>
>or in "legal talk" at
>[http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/cfr/1998/47cfr95](http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/cfr/1998/47cfr95.pdf)
>.pdf
>
>You will need the Acrobat reader for the "legal talk" version.
>
>72/73
>Kevin, WB5RUE
>In Christ the force has no dark side.
>

Kevin:

I am talking about authority granted by Part 15 not part 95. If one part cancels another part then why is the canceled part still in existence? Both parts are in effect and there is no 150 mile limit on part 15. You DO get to pick the part to operate under. I would not say that I am operating under part 97 or part 95.

Think about this...It is illegal to put a broadcast station on the air without a part 73 license, but under part 15 I can legally put a QRP station on "AM" (520 to 1705 KHz) or on FM (88 to 108 MHz).

Your remark about the noise is good...I would say that the noise presents a big challenge.

I would not need an FCC type accepted part 95 transmitter if I am operating under part 15.

James Johnson
Arlington, Texas
kc5jpb@eudoramail.com

Part 15 Section 227 Operation within the band 26.96 - 27.28 MHz.

(a) The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in Part 15 Section 35 for limiting peak emissions apply.

(b) The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in Part 15 Section 209.

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Date: Mon, 28 Feb 2000 11:06:54 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [64429] INFO PLEASE
Message-ID: <20000228.114130.-215153.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Can anyone help me identify the specs for a VHF pwr transistor with the designation--SD1272.

tnx

Marv Fagenson
k6hcj@Juno.com

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 13:44:44 -0600
From: "James Johnson" <kc5jpz@eudoramail.com>
To: qrp-1@Lehigh.EDU, n7kt@worldnet.att.net
Subject: [64430] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <BHCKJJKAHOCEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 12:02:40 Roger Hightower wrote:
>Kevin is right. 11 Meters is no longer a ham band. Use of your call
>sign on 11 Meters is just asking for trouble.
>
>Why in the world would anyone want to go through all the licensing
>procedures and then operate there?
>--
>72.....Roger
>
>Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

>

Roger:

I did not mean to imply that it could be used as a "ham" band. Part 15 allows more freedom in ways so an experimenter can do more on Part 15 than on Part 97. Use of my call sign would cause people to look closer at what is going on...People on the 160 to 190 KHz band can use amateur call signs even though that Part 15 band is not related to part 97.

James Johnson
kc5j pz@eudoramail.com

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<http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 13:53:40 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: kb7ww@chatusa.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64431] Re: Testing Antenna Tuners
Message-ID: <38BAC434.F9F7D59E@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Arthur,

There was a couple of articles by Frank Witt, AI1H, in the April and May 1995 issues of QST on testing tuners.

Using his method, I've tested quite a few, and may have tested the ones you are looking at. If I have, I'll be glad to share the results with you.

Witt's method tests tuners over a wide range of impedances and a wide range of frequencies. It's a rather laborious task to test a tuner, but once done, you really know what it will do.

Arthur Moe wrote:

> Would like to get some help in trying to test the efficiency of some
> antenna tuners I have. These are for feeding balanced line. Someone
> have a "plan" ????

Hope this helps.

CUL,
Bob, AE4IC, Greensboro, NC

Date: Mon, 28 Feb 2000 14:56:32 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc5jpb@eudoramail.com>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [64432] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <00f101bf8225\$f38454c0\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, I think it's just plain illegal. Isn't that one of the
reasons
all the 'under 100mw' kids toys disappeared. They call got moved
to 49MHz FM, and anything at 11M had to be qualified under the
type acceptance that full power CB sets did.

Mike

----- Original Message -----
From: James Johnson <kc5jpb@eudoramail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, February 28, 2000 2:34 PM
Subject: RE: Use 11 metres legally for QRP (USA only)

>
> --
>
> On Mon, 28 Feb 2000 09:35:21 Kevin Muenzler, WB5RUE wrote:
> >You site part 15, what about Part 95? 11-meter qrp is illegal for
> several
> >reasons unless you only want to talk from room to room but with the
> noise
> >level you need full legal power anyway....
> >
> >You can't use that home-brew or 10-meter conversion rig on CB at any
> power
> >level.
> >
> >Part 95.409 - (CB Rule 9) What equipment may I use at my CB station?

> >(a) You must use an FCC certified CB transmitter at your CB station.
> >
> >
> >If you can't talk with anyone more than 150 miles away what's the point?
> >
> >Part 95.413 - (CB Rule 13) What communications are prohibited?
> >(9) To communicate with, or attempt to communicate with,
> >any CB station more than 200 kilometers (155.3) miles away.
> >
> >You may use the argument that you are a ham station and not a CB station.
> >In that case you are transmitting out of band and are illegal under part 97.
> >
> >For a complete view of Part 95 you can get it in two versions:
> >Plain English at
> ><http://www.qsl.net/wb5rue/part95plainenglish.html>
> >
> >or in "legal talk" at
> >
> >[http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/cfr/1998/47cfr95](http://www.fcc.gov/Bureaus/Engineering_Technology/Documents/cfr/1998/47cfr95.pdf)
> >.pdf
> >
> >You will need the Acrobat reader for the "legal talk" version.
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> >72/73
> >Kevin, WB5RUE
> >In Christ the force has no dark side.
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> Think about this...It is illegal to put a broadcast station on the air without a part 73 license, but under part 15 I can legally put a QRP station on "AM" (520 to 1705 KHz) or on FM (88 to 108 MHz).
> Your remark about the noise is good...I would say that the noise presents a big challenge.
> I would not need an FCC type accepted part 95 transmitter if I am operating under part 15.
> >
> James Johnson
> Arlington, Texas
> kc5jpbz@eudoramail.com

>
>
>
> Part 15 Section 227 Operation within the band 26.96 - 27.28 MHz.
> (a) The field strength of any emission within this band shall not
exceed 10,000 microvolts/meter at 3 meters. The emission limit in this
paragraph is based on measurement instrumentation employing an average
detector. The provisions in Part 15 Section 35 for limiting peak
emissions apply.
> (b) The field strength of any emissions which appear outside of this
band shall not exceed the general radiated emission limits in Part 15
Section 209.
>
>
>
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account at <http://www.eudoramail.com>
>

Date: Mon, 28 Feb 2000 13:58:56 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU
Subject: [64433] Part 15 on 27.120 MHz
Message-ID: <DANPLGMHNKDEAAAA@shared1-mail.who where.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

There is no license required for Part 15 transmissions. There are several bands:
160 to 190 KHZ
520 to 1705 KHZ
13.553 to 13.567 MHZ
The 27.120 MHz band that I mentioned...
There is a band at 49.85 (aproximately)
There is a band on UHF that is 26 MHZ wide at 902 to 928 MHZ.
There are other bands under Part 15 that you can find out more about by reading
part 15.

James Johnson
kc5j pz@eudoramail.com

On Mon, 28 Feb 2000, Marv Fagenson wrote:

That's a 25W 12.5V transistor made by MicroSemi and ST Electronics. Wish I could find some, but MicroSemi obsoleted it recently.

[illegible]

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

.....

Date: Mon, 28 Feb 2000 13:58:01 -0600
From: "Mark Hogan" <mhogan@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64435] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <015901bf8226\$1eff5000\$9ee90181@cityweb.gov>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Looks like another useless flame war brewing, stop the madness filters on full, warp speed ahead, arm the photon torpedo's

whops this is wrp

phasers to stun...

hogan

Date: Mon, 28 Feb 2000 15:03:19 EST
From: SKIPNC90@aol.com
To: tscott@eni.net, qrp-1@lehigh.edu
Subject: [64436] Re: Fine Pitch SMT... surfboard flotilla board???
Message-ID: <73.167ca24.25ec2e87@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/28/00 2:40:28 AM Central Standard Time, tscott@eni.net writes:

<< As I recall we had a volunteer to do the layout, and just needed someplace to do the PCB fab. I'll bet we could get Far Circuits to carry the board as a standard if we design it and provide them with the layout (assuming they can hold tolerances tightly enough for this stuff). >>

Check out Far Circuits web site, he already has two boards that I saw at his display during a recent hamfest.

73, Skip NC90

Date: Mon, 28 Feb 2000 15:33:36 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [64437] SMT Stuff
Message-ID: <200002282013.PAA00642@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I just placed an order with Mouser for some SMT stuff...

LM386 audio amp in S08 package
Quad CMOS Op amp in S014 package
Some SMT trimmer caps
Assortment of NEC MMIC's, one of which is an AGC amp
2 watt SMT RF power transistor

I'll be using these parts to try and build a complete CW transceiver
with DDS into a Whitmans Sampler tin...wish me luck :-)

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 28 Feb 2000 14:14:34 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU, Wb8siw@aol.com
Subject: [64438] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <CBIHJLOMHIEEAAAA@shared1-mail.whoWhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 10:07:38 Wb8siw wrote:

>I have to agree with Hal. We have a wide open CW subband on 10 Meters which
>is underutilized. There is little difference between propagation
>characteristics at 27 and 28 mHz. As a matter of fact, increased use of the
>10 Meter CW subband may discourage illegal CB use.

>

>With all due respect, the proposal to operate on 11 meters QRP makes no sense
>to me.

>

>73, Jim WB8SIW

>

Jim:

I guess that you have an HF operator license. I do not have an HF license. I can use HF without an ARS license by using these Part 15 bands.

I do like the idea of HF ARS operators transmitting "on top of" the illegal operator on the 10-meter telegraph band.

James Johnson
kc5j pz@eudoramail.com

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Date: Mon, 28 Feb 2000 14:20:29 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, mhogan@email.msn.com
Subject: [64439] 11 metres legally for QRP (USA) No flame war here
Message-ID: <MPJBNLAHKNEEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 13:58:01 Mark Hogan wrote:

>
>Looks like another useless flame war brewing, stop the madness filters on
>full, warp speed ahead, arm the photon torpedo's
>
>whops this is wrp
>
>phasers to stun...
>
>hogan
>

Mark:

I do not see any "flame war". I think that debate and explanation are good.

James Johnson
kc5j pz@eudoramail.com

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Date: Mon, 28 Feb 2000 15:27:01 -0500
From: Mike Manship <mjmanship@iquest.net>
To: kc5jpbz@eudoramail.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64440] Re: Use 11 metres legally for QRP (USA only)
Message-ID: <3.0.2.32.20000228152701.00716850@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:44 PM 02/28/2000 -0600, James Johnson wrote:
...People on the 160 to 190 KHz band can use amateur call signs even though
that Part 15 band is not related to part 97.
>
>James Johnson
>kc5jpbz@eudoramail.com

I went to a local ham club meeting several years ago here in Indianapolis.
A local K9 (I cannot remember his call) who was a big timer on the 160-190 kHz
band stated REPEATEDLY that the use of ham radio callsigns on that band
was not permitted. That's why everyone was using calls such as "9XX" or other
such made up things.

Now I am totally confused !

73 de Mike W90J

Date: Mon, 28 Feb 2000 14:27:33 -0600
From: "James Johnson" <kc5jpbz@eudoramail.com>
To: qrp-1@Lehigh.EDU, dandoooley@pipeline.com
Subject: [64441] 11 meter QRP
Message-ID: <ABJKDNPCNDFEAAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 08:08:11 Dan W. Dooley wrote:
>I recently repaired an old CB handheld (QRP power if you will) for my
>father-in-law. Bad on-off switch. It had two xtals in it. I listened to
>one briefly one evening. Some stuff some savage was playing on it wouldn't
>be allowed on the most "open" X-rated cable channel. No intelligent
>conversations at all. Talk about a wasteland. Not fit for human
>consumption.
>
>Nope. Move the QRP rigs off of 11 and onto 10 or somewhere....
>
>
>Dan W. Dooley WB5TKA Bedford, Texas EM12ku
> e-mail to: dandooley@pipeline.com

Hello neighbor:

More QRP on 11 meters would help to drown out the garbage.

James Johnson

Arlington, Texas

kc5jpz@eudoramail.com

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<http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 15:38:37 -0500
From: Sam Smith <sam.smith@ece.gatech.edu>
To: qrp-l@lehigh.edu
Subject: [64442] operating tips question
Message-ID: <38BADCCD.CF5517C4@ece.gatech.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK, so I've made a few contacts with my new DSW-80 and SWAT
(Simple Wire Antenna in a Tree).

Should I send N4MAP/QRP? Or not bother? So where is the "QRP
Operating Tips" web page? (I know there must be one!) I've
had most success using search and pounce and not much
success calling CQ.

--

Sam Smith N4MAP
Georgia Tech, ECE 0250, Atlanta, GA USA 30332
<http://www.ee.gatech.edu/users/sam>
<http://www.mindspring.com/~sam.smith>

Date: Mon, 28 Feb 2000 14:40:01 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <kc5j pz@eudoramail.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [64443] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <000101bf822b\$fd467140\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Essentially you are correct but you proceed from a very dangerous assumption. Would you take your "part 15 device" and operate in 28.500MHz and assume you are legal? I think not because you would not be legal. What you fail to realize is that Part 95 and Part 97 supercede Part 15 they do not cancel it out. For a device, an "intentional radiator" to be legal on CB frequencies it must FIRST comply with part 95 then with part 15. The same goes for part 97 devices for ham radio. If I interfere with my neighbor's TV then I am in violation with both Part 97 and Part 15, not one or the other but both.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> James Johnson
> Sent: Monday, February 28, 2000 1:35 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Use 11 metres legally for QRP (USA only)
> Kevin:
> I am talking about authority granted by Part 15
> not part 95. If one part cancels another part then why
> is the canceled part still in existence? Both parts are
> in effect and there is no 150 mile limit on part 15.
> You DO get to pick the part to operate under. I would
> not say that I am operating under part 97 or part 95.
> Think about this...It is illegal to put a broadcast
> station on the air without a part 73 license, but under
> part 15 I can legally put a QRP station on "AM" (520 to
> 1705 KHz) or on FM (88 to 108 MHz).
> Your remark about the noise is good...I would say
> that the noise presents a big challenge.
> I would not need an FCC type accepted part 95
> transmitter if I am operating under part 15.

>
>James Johnson
>Arlington, Texas
>kc5jpbz@eudoramail.com

Date: Mon, 28 Feb 2000 14:43:13 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <mjmanSHIP@iquest.net>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [64444] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <000201bf822c\$6fa46580\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It isn't that the use of ham calls is illegal it just "isn't done." The convention is to use a three letter designator for your beacon. This is a "part 15" device and you can ID by whatever means you see fit. I may be wrong but I don't think it is illegal just like it isn't illegal to use your amateur call on 11-meters as your handle. It isn't wise but it also isn't illegal. BTW, rumor has it that 1750-meters is to be allocated to ham usage soon. Anyone heard confirmation?

73/
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Mike ManSHIP
> Sent: Monday, February 28, 2000 2:27 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Use 11 metres legally for QRP (USA only)
>
>
> At 01:44 PM 02/28/2000 -0600, James Johnson wrote:
> ...People on the 160 to 190 KHz band can use amateur call
> signs even though
> that Part 15 band is not related to part 97.
> >
> >James Johnson
> >kc5jpbz@eudoramail.com
>
>

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> Indianapolis.
> A local K9 (I cannot remember his call) who was a big timer
> on the 160-190 kHz
> band stated REPEATEDLY that the use of ham radio callsigns on
> that band
> was not permitted. That's why everyone was using calls such
> as "9XX" or other
> such made up things.
>
> Now I am totally confused !
>
> 73 de Mike W90J
>

Date: Mon, 28 Feb 2000 14:47:12 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <kc5j pz@eudoramail.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [64445] RE: 11 meter QRP
Message-ID: <000401bf822c\$fe0ba090\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> James Johnson
> Sent: Monday, February 28, 2000 2:28 PM
> To: Low Power Amateur Radio Discussion
> Subject: 11 meter QRP

> Hello neighbor:
> More QRP on 11 meters would help to drown out the garbage.
> James Johnson

Now that's funny! It would be like trying to drown out a crowd at a
football stadium with your Sony(tm) Walkman.

Kevin, WB5RUE

Date: Mon, 28 Feb 2000 14:53:53 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: "'Mike Manship'" <mjmanship@iquest.net>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Cc: <carlos.carro@lmco.com>
Subject: [64446] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <000501bf822d\$eca579b0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ask him to site the rule and regulation.

The only time it is illegal to use your call for identifcaiton outside of the ham bands is when the particular band you are operating in requires a different method of identification such as the aircraft band or if you are operating in a band for which you are not authorized. If you are operating in a band that does not require any form of identification such as "part 15 bands" or CB you can legally use your ham call or whatever form of ID you choose. It may not be advisable to use your ham call on CB but it certainly is not illegal.

73/

Kevin, WB5RUE

I am Voltohm of Borg, resistance is E/I, power is EI, you will be attenuated!

> -----Original Message-----

> From: Mike Manship [mailto:mjmanship@iquest.net]

> Sent: Monday, February 28, 2000 2:47 PM

> To: wb5rue@stic.net

> Subject: RE: Use 11 metres legally for QRP (USA only)

>

>

> I just received this message regarding using ham calls on

> Part 15 bands.

> Who is correct ?

>

> 73 de Mike W90J

>

>

>

>

> >Delivered-To: mjmanship@iquest.net

> >Date: Mon, 28 Feb 2000 13:30:42 -0700
> >From: "Caro, Carlos" <carlos.caro@lmco.com>
> >Subject: RE: Use 11 metres legally for QRP (USA only)
> >To: "'mjmanship@iquest.net'" <mjmanship@iquest.net>
> >X-Mailer: Internet Mail Service (5.5.2650.21)
> >
> >Mike,
> >
> >Under part 97 your call is authorized for use in the
> designated amateur
> bands ONLY. It is illegal to use your call in any other
> service period.
> >
> >Regards Carlos, KBOREI
> >
> >
>

Date: Mon, 28 Feb 2000 14:53:11 -0600
From: "Bill Allen" <bill@pcatexas.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64447] simplest possible antenna?
Message-ID: <004001bf822d\$d3263920\$356840ce@outown.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

What is the simplest possible antenna that I could construct for use on 40M
with my DSW-40?

: -)

73
kc5adf
Bill Allen

Date: Mon, 28 Feb 2000 15:13:37 -0600

From: "James Johnson" <kc5jpbz@eudoramail.com>
To: qrp-1@Lehigh.EDU
Subject: [64448] RE: Use 11 metres legally for QRP (USA only)
Message-ID: <LEIBODANAMHEAAAA@shared1-mail.whoohere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Kevin:

28.500MHz is not within any Part 15 band so it would be illegal to transmit without a license for that frequency. No compliance with Part 95 is necessary unless you are operating as a part 95 station.

James Johnson
Kc5jpbz@eudoramail.com

--

On Mon, 28 Feb 2000 14:40:01 Kevin Muenzler, WB5RUE wrote:

>Essentially you are correct but you proceed from a very dangerous
>assumption. Would you take your "part 15 device" and operate in 28.500MHz
>and assume you are legal? I think not because you would not be legal. What
>you fail to realize is that Part 95 and Part 97 supercede Part 15 they do
>not cancel it out. For a device, an "intentional radiator" to be legal on
>CB frequencies it must FIRST comply with part 95 then with part 15. The
>same goes for part 97 devices for ham radio. If I interfere with my
>neighbor's TV then I am in violation with both Part 97 and Part 15, not one
>or the other but both.

>

>Kevin, WB5RUE

>

>> -----Original Message-----

>> From: owner-qrp-1@Lehigh.EDU

>> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

>> James Johnson

>> Sent: Monday, February 28, 2000 1:35 PM

>> To: Low Power Amateur Radio Discussion

>> Subject: RE: Use 11 metres legally for QRP (USA only)

>>Kevin:

>> I am talking about authority granted by Part 15

>>not part 95. If one part cancels another part then why

>>is the canceled part still in existence? Both parts are

>>in effect and there is no 150 mile limit on part 15.

>>You DO get to pick the part to operate under. I would

>>not say that I am operating under part 97 or part 95.

>> Think about this...It is illegal to put a broadcast

>>station on the air without a part 73 license, but under

>>part 15 I can legally put a QRP station on "AM" (520 to

>>1705 KHz) or on FM (88 to 108 MHz).
>> Your remark about the noise is good...I would say
>>that the noise presents a big challenge.
>> I would not need an FCC type accepted part 95
>>transmitter if I am operating under part 15.
>>
>>James Johnson
>>Arlington, Texas
>>kc5jpb@eudoramail.com
>
>

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<http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 16:18:15 -0500
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'w2xn@juno.com'" <w2xn@juno.com>, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [64449] RE: Super Secret Event
Message-ID: <125490A005E3D3118C9C00805FC743CC08D1CB@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

-----Original Message-----

From: fred w2xn [mailto:w2xn@juno.com]

> It looks like life is not always a "bowl of cherries".
> I worked for an hour trying to get W1FB, trying to
> copy thru the noise, QRO SSB, digital noise. Finally
> Dave heard me, came back and then, somebody spilled
> the bowl of cherries and the QRM got so bad I couldn't
> even hear him again.

>Oh well, keep trying
>Fred W2XN (one of the "Swamp Rats")

Hi, Fred,

You are in the log at 0236 Z, 559 sent, 339 received, so I will send you a
nice certificate.

73 from ARRL HQ,
Ed Hare, W1RFI

ARRL Laboratory Supervisor
225 Main St.
Newington, CT 06111
860-594-0318
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org/>.
ARRL Technical Information Service: <http://www.arrl.org/tis>.

Date: Mon, 28 Feb 2000 16:21:25 -0500
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'kb7ww@chatusa.com'" <kb7ww@chatusa.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [64450] RE: Is W1FB an Alligator ???
Message-ID: <125490A005E3D3118C9C00805FC743CC08D1CC@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi, Art,

A 3-element monobander at 120 feet pointed right at you when the band is open makes for a BIG signal!

BTW, after the CQC 'test started, I banged out a few contest contacts, then went up to 15 M, hoping to catch you for the "clean sweep" you wanted. No luck, though; either you didn't go to that band, or it didn't open up in that direction. Sorry.

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St.
Newington, CT 06111
860-594-0318
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org/>.
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----
From: Arthur Moe [mailto:kb7ww@chatusa.com]
Sent: Sunday, February 27, 2000 1:45 AM
To: Low Power Amateur Radio Discussion
Subject: Is W1FB an Alligator ???

Is Ed a alligator ??? Just joking, but I am going to take a tape to Dayton and if he is there play it for him. So he knows just how loud he was here on the left coast.

Art
KB7WW

Date: Mon, 28 Feb 2000 15:22:38 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU, wb5rue@stic.net
Subject: [64451] RE: 11 meter QRP
Message-ID: <GAAP0JPKODIEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 14:47:12 Kevin Muenzler, WB5RUE wrote:

>

>

>> -----Original Message-----

>> From: owner-qrp-1@Lehigh.EDU

>> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

>> James Johnson

>> Sent: Monday, February 28, 2000 2:28 PM

>> To: Low Power Amateur Radio Discussion

>> Subject: 11 meter QRP

>

>> Hello neighbor:

>> More QRP on 11 meters would help to drown out the garbage.

>> James Johnson

>

>Now that's funny! It would be like trying to drown out a crowd at a
>football stadium with your Sony(tm) Walkman.

>

>Kevin, WB5RUE

>

You are not IN the stadium then it would work. If I am at my friends condo near The Ballpark at Arlington (home to the Texas Rangers baseball corporation) then I can drown out the noise with little power.

James

kc5jpbz

Oops...I'm not supposed to use my call sign on the internet because its a lower frequency than my license allows... ;-)

kc5jpbz@eudoramail.com

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Date: Mon, 28 Feb 2000 16:24:37 -0500
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'mikey@mcs.com'" <mikey@mcs.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64452] RE: W1FB on 14.0605
Message-ID: <125490A005E3D3118C9C00805FC743CC08D1CD@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

So THAT explains the sudden pileups I kept getting. Things would go smooth, I would finally get things down to one-at-a-time, then suddenly, WHAM, the flood gates opened. At that point, I switched over to a very-fast QSO mode, just to help people make the contact. To those who got just a quickie, take heart; we are planning some more events and there will be plenty of time for ragchews. :-)

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St.
Newington, CT 06111
860-594-0318
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org/>.
ARRL Technical Information Service: <http://www.arrl.org/tis>.

-----Original Message-----

From: Michael Young [mailto:mikey@mcs.com]
Sent: Sunday, February 27, 2000 2:03 PM
To: Low Power Amateur Radio Discussion
Subject: Re: W1FB on 14.0605

Yep. 599 +20dB near Chicago. You'd better hurry; I put it up as a DX spot.
:-)

Michael.
K9ZC

----- Original Message -----

From: Roy <marion@montana.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, February 26, 2000 5:29 PM
Subject: W1FB on 14.0605

> Yup, on 20 at 1830z and 599 into MT. Roy AB7CE
>

Date: Mon, 28 Feb 2000 15:28:09 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: "'James Johnson'" <kc5jpb@eudoramail.com>, <qrp-l@Lehigh.EDU>
Subject: [64453] RE: 11 meter QRP
Message-ID: <000101bf8232\$b65c4820\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Have you scanned across 11-meters lately? It's one big noise source from well below channel 1 to well above channel 40 with only minor dips between the channels. I doubt that your "part 15" QRP rig could be heard more than a few feet away.

Kevin, WB5RUE
I am Voltohm of Borg, resistance is E/I, power is EI, you will be attenuated.

Date: Mon, 28 Feb 2000 16:26:24 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: <n9ssa@arrl.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [64454] Re: Frequency Adjust on TT2?
Message-ID: <000c01bf8232\$a0d12520\$e6ca9cce@ire.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The crystals supplied in the TT2 kits from the NJQRP are actually running close to 7.043MHz. So although they are stamped 7.040, we can probably expect some production variability for the prices we paid for the lot.

The good news is that all 800-or-so TT2 kits sold so far seem to be pretty tight around this value. And it *is* very close to the recommended QRP calling frequency of 7040, and certainly 3KHz off the main busy frequency has its advantages.

There was some real nice work done by Dave Fifield AD6A wherein he modified the TT2 circuits to provide some oscillator variability by bending the crystal by using an MVAM108 varicap diode and some coupling caps and biasing resistors. With these extra components, we was able to vary the TT2 signal about 2KHz. Should be an easy thing to tack onto the TT2 boards if interested. You can see the link on Dave's Red Hot Radio website, or see the schematic PDF file directly at <http://www.redhotradio.com/MRX40TT2.html>

This schematic shows a real neat combination of the MRX40 receiver and the modified TT2 transmitter ... wonderful pairing of a simple receiver with a time-proven simple transmitter! Dave's pointed us to it several times before, but it's a nice overall circuit and worthy of the repeat reference.

73, George N2APB

----- Original Message -----

My TT2 transmits a ways above 7040, and I have no way yet to adjust the frequency.

Can anyone suggest the best way to get a couple of Khz "rubber banding" of the xtal on a TT2?

Date: Mon, 28 Feb 2000 13:31:09 -0800 (PST)
From: Rod Cerkoney <n0rc@yahoo.com>
To: bill@pcatexas.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [64455] Re: simplest possible antenna?
Message-ID: <20000228213109.14368.qmail@web904.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bill:

My vote would be for a dipole or inverted-V. Dipoles are easy to make and quite effective. If you have a tuner try a random length long-wire.

-rc-

--- Bill Allen <bill@pcatexas.com> wrote:

> Hi Gang,

>

> What is the simplest possible antenna that I could construct for
> use on 40M with my DSW-40?

>

=====

73, Rod N0RC

Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

Date: Mon, 28 Feb 2000 16:30:16 -0500
From: Caitlyn Martin <caitlyn@netferrets.net>
To: kc5jpbz@eudoramail.com, qrp-1@lehigh.edu
Subject: [64456] Re: 11 meter QRP
Message-ID: <38BAE8E7.90A57D7@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, James,

Please pardon me for suggesting this, but why not pass your 5 WPM code and then, under the new rules, you'll get all the HF privileges you could want. Look, I don't like CW, and it was **not** easy for me to learn, and I still got through 13 WPM, which you will never have to do.

5 words per minute is one character every two and a fraction seconds. That is long enough for your brain to say "Oh, that was an 'a', here comes the next one." If you can take the time to memorize the sounds of the code, you can pass. If you are hearing impaired, you can do it with a flashing light instead. (I elmered a deaf ham years ago.) It does take some work, but so does everything else worth having.

Don't flame me for suggesting it, OK? It **is** the right answer, though. For most hams, just the thought of 11 meters is nauseating. Besides, as numerous people have pointed out, what you are suggesting is just **not** legal.

73,
Caity
KU4QD
(donning asbestos suit)

> Oops...I'm not supposed to use my call sign on the internet because its a lower frequency than my license allows... ;-))

Date: Mon, 28 Feb 2000 15:47:00 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@lehigh.edu, "Caitlyn Martin" <caitlyn@netferrets.net>
Subject: [64457] Re: 11 meter QRP
Message-ID: <EJENBFGCDJJ EAAAAA@shared1-mail.who where.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 16:30:16 Caitlyn Martin wrote:

>Hi, James,

>

>Please pardon me for suggesting this, but why not pass your 5 WPM code and then, under the new rules, you'll get all the HF privileges you could want. Look, I don't like CW, and it was **not** easy for me to learn, and

>I still got through 13 WPM, which you will never have to do.

>

>5 words per minute is one character every two and a fraction seconds. That is long enough for your brain to say "Oh, that was an 'a', here comes the next one." If you can take the time to memorize the sounds of the
>code, you can pass. If you are hearing impaired, you can do it with a flashing light instead. (I elmered a deaf ham years ago.) It does take some work, but so does everything else worth having.

>

>Don't flame me for suggesting it, OK? It **is** the right answer, though. For most hams, just the thought of 11 meters is nauseating. Besides, as numerous people have pointed out, what you are suggesting is just **not**

>legal.
>
>73,
>Caity
>KU4QD
>(donning asbestos suit)
>
>> Oops...I'm not supposed to use my call sign on the internet because its a lower frequency than my license allows... ;-)

Caity:

There is no flame war here. Asbestos is not needed (or recommended because of the danger of loose fibers).

Part 97 rules do not allow digital audio transmissions on HF.

Part 97 rules do not allow transmitting music in test transmissions.

I would like to experiment more than Part 97 allows on HF.

There is no flame war because this is too fun to be war...And its too cool to be inflamed.

James Johnson

kc5jpb@eudoramail.com

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Date: Mon, 28 Feb 2000 16:57:03 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [64458] Re: simplest possible antenna? (fwd)
Message-ID: <Pine.OSF.4.21.0002281656470.4991-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 28 Feb 2000, Bill Allen wrote:

> What is the simplest possible antenna that I could construct for use on 40M
> with my DSW-40?

1. A 50 ohm 5 watt resistor to ground.
2. A single piece of wire about 33 feet long stuck into the antenna socket.
3. #2 above with another 33' of wire to the antenna socket's 'ground.'

4. #3 above with a length of 50ohm coax to get the feedpoint outside.
5. #4 above, replace coax with ladder line and a tuner.
6. #4 above, replace wire with aluminum tubing.
7. #6 above, put dipole on a rotator.
8. #7 above, replace dipole with 2el yagi
9. #8 above, replace 2el yagi with 3el yagi.
10. anything more and your yl/xyl replaces YOU.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Mon, 28 Feb 2000 16:52:12 -0500
From: Caitlyn Martin <caitlyn@netferrets.net>
To: qrp-1@lehigh.edu
Subject: [64459] Portable antenna for sale
Message-ID: <38BAEE0B.96B69B3F@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, everyone,

I am going to sell my Outbacker Tri-Split. This is the version of the Outbacker that breaks down into three two foot pieces and slips into a nice, small plastic case for easy transport to just about anywhere. It can be used anywhere with a 3/8" threaded mount and an adequate ground, mobile or portable. It works well with the Outpost tripod ground coupling system, which makes a wonderful easy to set up portable system. (No, my Oupost is *not* for sale.)

At this point, I need something that covers HF, 6, and 2 (like the Perth Plus) more than I need the very small size and portability. This antenna covers 10-80 meters, including all the WARC bands. I have used it quite successfully for QRP operation, and the antenna and case are in

very good condition.

New AES price is \$329. I will take \$200 plus shipping.

Thanks and 72/73,
Caity
KU4QD

Date: Mon, 28 Feb 2000 15:58:04 -0600
From: "James Johnson" <kc5jpb@eudoramail.com>
To: qrp-1@Lehigh.EDU, wb5rue@stic.net
Subject: [64460] RE: 11 meter QRP
Message-ID: <MGMOEDEMNCKEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 15:28:09 Kevin Muenzler, WB5RUE wrote:
>Have you scanned across 11-meters lately? It's one big noise source from
>well below channel 1 to well above channel 40 with only minor dips between
>the channels. I doubt that your "part 15" QRP rig could be heard more than
>a few feet away.

>
>Kevin, WB5RUE
>I am Voltohm of Borg, resistance is E/I, power is EI, you will be
>attenuated.

>
Kevin:

You have a good point...That brings up the fact that we need a serious improvement, or should I say advancement in receiver technology. Such an advanced receiver would allow us to listen to "AM" broadcasts at night without all the noise caused by the FCC incompetence and lightning.

James
Kc5jpb

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<http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 16:03:55 -0600
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <kc5j pz@eudoramail.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [64461] RE: 11 meter QRP
Message-ID: <000001bf8237\$b5ebe0d0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> James Johnson
> Sent: Monday, February 28, 2000 3:47 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: 11 meter QRP
> Caity:
> There is no flame war here. Asbestos is not needed (or
> recommended because of the danger of loose fibers).
> Part 97 rules do not allow digital audio transmissions on HF.

Yes it does so long as you do not exceed the bandwidth of a normal SSB signal. RTTY is a digital mode (mark/space), packet is a digital mode (1/0) so are AMTOR, PAC-TOR, G-TOR and the like and all use audio frequencies. In my early RTTY days I used to feed the audio generated by the RTTY "modem" directly into the mic of my HW-101 running SSB mode. To the receiver on the other end it looked just like a true FSK carrier-only signal. In fact on an analyzer you can't tell the difference as long as your mark/space audio tones are pure. I've overheated lots of 6146 tubes in my days.

> Part 97 rules do not allow transmitting music in test
> transmissions.
> I would like to experiment more than Part 97 allows on HF.

I've often wondered if this includes sending MP3 over packet. It would take about three days to send a 2 minute piece though using HF bandwidth restrictions.

>
> There is no flame war because this is too fun to be
> war...And its too cool to be inflamed.
> James Johnson
> kc5j pz@eudoramail.com

Date: Mon, 28 Feb 2000 16:01:15 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [64462] RE: 11 meter QRP
Message-ID: <4.1.20000228155749.009da100@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OH where is the List-god when you need him?

No way, no how, is a discussion of 11 meter operation or Part 15 devices related to QRP Ham Radio Operation. (Did we forget to mention that this is a HAM RADIO list??)

Date: Mon, 28 Feb 2000 17:12:07 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
To: qrp-l@lehigh.edu
Subject: [64463] Simplest possible antenna
Message-ID: <Pine.OSF.4.05.10002281707200.31588-100000@govonca2.gov.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Simple or complex as you want to pay for, can erect etc.

But, as one very successful person of this List has put it, in his case:

"(great success) with homebrew equipment and a modest antenna at 5M above ground and only 30M on one leg and 10M on the other. The off center feed point is fed with 300 ohm window line. Tuned with an MFJ-941C.

You don't need lodgepole pines, city lot sized loops nor need to buy the XYL a Jaguar in order to get permission for surplus broadcast tower in her petunias.

Brien Pepperdine
Amateur Radio Station VE3VAW
Toronto, Ontario Canada
ARCI #8773 - NORCAL ZOMBIE

Date: Mon, 28 Feb 2000 15:20:49 -0700
From: "Caro, Carlos" <carlos.caro@lmco.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'n5em@flash.net'"
<n5em@flash.net>
Subject: [64464] RE: 11 meter QRP
Message-ID: <D0A28D7EFEB4D11181DE0000F80627BB023A46B1@emss02m14.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain
Content-transfer-encoding: 7BIT

Ed,

I can understand your frustration on this subject . Please bear with us and just use your delete key. Rules and Regulations are as much a part of ham radio as tech subjects and operating statements. In answer to a question on the list, I put my big foot right into my keyboard. (QLF)
Another ham corrected my misinformation and that was two of us who learned something today.
Besides legal CB is QRP :-)

Regards, Carlos KB0REI

Date: Mon, 28 Feb 2000 17:21:40 -0500
From: "Ted Roycraft" <roycraft@research.att.com>
To: <qrp-1@Lehigh.EDU>
Subject: [64465] looking for paddle recommendations
Message-ID: <NBBBJCDNMJMMLKHBCBIEIENJDIAA.roycraft@research.att.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm looking for recommendations for paddles (iambic or otherwise) that are small and suitable for QRP portable operation. Paddles that don't wander all over the table would be preferable.

Thanks and 73s,

--Ted, W2ZK

Date: Mon, 28 Feb 2000 17:18:03 -0500
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [64466] Well I done it.... Wire/Rope Antennas
Message-ID: <20000228.171805.-159723.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High Y'all once meaux:

It was a beautiful antenna day heah... about 40 day grees with light rain, some sleet, and of course the melting sneaux... no wind...

Being a young cajun lad I can handle 40 day grease and rain... no sweat... but the sneaux presented a problem.... that stuffs cold yea... so I put on my wet suit, what I use for fishing from my kayak, a pair of slacks and some nice boots, a hat and went antenna builddding...

I had me five pieces of wire... all 33ft 2inches long.... I soldered four of them together... let the ends drop 33ft. 2 in and tied the rope what goes to the tree at that point... In the center I put an egg insulator... boy dem chicken back home like kem insulators in the cold wx yeah... keep dem eggs from freezing... hard t fry a frozen egg,,, I tell u man...

I put the last 33ft 2n piece of wire on the other end of that egg insulator... and fed that point with radio shack foam filled twin lead, 300 ohm.... Then I pulled on them ropes and all that stuffs went up into the air about 50fts... I got three 33fts 2in vertical wires seperated by two 33fts 2in of wire... that's a half wave on twenty meters...

I think what I done is put three half wave verticals, spaced a half wave apart... feed with twin lead and phased with a half wave piece of wire.... and voltage feeding the suckers in the middle.... anyhow it works out on paper that the currents in all three vertical parts of the antenna are in phase...

I been hearing europe on the antenna the past coupla hours so I guess it works... It loads up fine on twenty and forty meters also... good Lord only kneauxs what I got on 40 meters and so far He an't telling, only laughing... :-)

My cajun mama says it looks pretty and like a big m hanging between the trees... I told her the m was for Mama, as in cajun Mama... boy am I gonna eat good tonite... et-two-fay... crawfish style... an't this great ant wx...

Joel KE1LA
In Maine
drying off his wet suit... think about it... :-)

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 17:23:19 -0500
From: Caitlyn Martin <caitlyn@netferrets.net>
To: qrp-1@lehigh.edu
Subject: [64467] FOR SALE: NCG 15m 15 meter QRP rig
Message-ID: <38BAF557.61AE638E@netferrets.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, everyone,

Five rigs on 15 meters seems excessive to me, so..

I am selling my NCG-15M (an American OEM version of the National Radio RJX-715) 15 meter monobander. I have the original box and packing, owner's manual, mic., mounting bracket, and a copy of the Japanese Technical Reference. An upgraded filter has been installed to improve performance. The unit has been mobile, and has some scratches and sun fading on the top of the unit, but the front panel is in nice shape. It has a very effective noise blanker, and puts out 10 watts on high power, 2 watts on low power, SSB or CW. I'd like \$115 plus \$10 shipping and insurance to anywhere in the USA.

Thanks and 72/73,
Caity
KU4QD

Date: Mon, 28 Feb 2000 16:39:24 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-1@Lehigh.EDU, n5em@flash.net
Subject: [64468] RE: 11 meter QRP
Message-ID: <GGJDOIPBPGMEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Mon, 28 Feb 2000 16:01:15 Ed Manuel (N5EM) wrote:

>OH where is the List-god when you need him?

>

>No way, no how, is a discussion of 11 meter operation or Part 15 devices
>related to QRP Ham Radio Operation. (Did we forget to mention that this is
>a HAM RADIO list??)

>

Ed:

OK. You have a good point...I was thinking that it was a QRP list that anyone, ARS licensee or not, would be interested in. It just seems so limiting to just use the little slivers of the spectrum that are allocated to the ARS. The FCC rules are also a very limiting factor. I would love to transmit a high fidelity digital audio signal in a narrow bandwidth but the FCC rules do not allow for it in the ARS.

Maybe my ARS license will not be renewed in 2004 or whenever it expires...I do not like the ULS intrusion into our privacy anyway. The FCC has no business asking for our Social Security Account Numbers just to allow us to renew our licenses.

A little rebellion now and then is a good thing.

James Johnson

kc5j pz@eudoramail.com

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Date: Mon, 28 Feb 2000 17:40:07 -0500

From: "Richard Brummer, K2JQ" <obvious@bestweb.net>

To: <carlos.caro@lmco.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [64469] Re: 11 meter QRP

Message-ID: <01e201bf823c\$c8f1c640\$0803b3d8@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I guess it's time for the "11 meter" filter !

73,

Dick K2JQ

Enjoying AMATEUR RADIO for over 35 years

Date: Mon, 28 Feb 2000 15:44:33 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: obvious@bestweb.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [64470] Re: 11 meter QRP
Message-ID: <38BAFA51.31A78391@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the reminder. I already filtered the originator of the thread, just forgot the "11 Meter" one.

--
72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591 SOC #14

Date: Mon, 28 Feb 2000 17:49:09 -0500
From: "Richard Brummer, K2JQ" <obvious@bestweb.net>
To: <n5em@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [64471] Re: 11 meter QRP
Message-ID: <01ed01bf823e\$08b31300\$0803b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>OH where is the List-god when you need him?

Ed, don't you remember -- he moved to Arizona !

This has gotten BEYOND ridiculous !

73,
Dick K2JQ

Date: Mon, 28 Feb 2000 16:53:11 -0600
From: "James Johnson" <kc5jpb@eudoramail.com>
To: qrp-1@Lehigh.EDU, fifield@pacbell.net
Subject: [64472] Re: Use 11 metres legally for QRP (USA only)

Message-ID: <COPFFFKMPCNEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

--

On Sun, 27 Feb 2000 20:44:22 Dave Fifield wrote:

>James,

>

>I thought this was for unintentional radiators. I think that
>deliberately using this spectrum for radio transmissions is
>expressly disallowed somewhere else in the FCC regs.

>

>72, Dave, AD6A

>

Dave:

There is a difference between the rules for unintentional radiators (Subpart B of Part 15) and the rules for intentional radiators (Subpart C of Part 15). Subpart B would have numbers in the range of 15.100 to 15.199. Subpart C has numbers in the range of 15.200 to 15.299.

Perhaps I should go to 40 Meters or 80 Meters QRP under Part 15 and have some fun. I just need to review Part 97 to see if Part 97 stations can communicate with me under those conditions. See Part 15, Sections 223 which allows me to, under severe limitations, operate between 1.705 MHz and 10 MHz...Now what call sign should I make up for use on 40 Meters...

James Johnson

kc5j pz@eudoramail.com

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Date: Mon, 28 Feb 2000 22:52:55 -0000
From: "Graham Firth" <Graham.Firth@BTinternet.com>
To: "GQRp list" <gqrp@onelist.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [64473] Sprat 102
Message-ID: <004301bf823e\$f0a08c60\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi

I shall be printing the labels for Sprat 101 this coming weekend.

If your address has changed and you have not told one of our reps, then you may not get this issue.

If your last label had a 99 or later year, then, subject to the above, you will get this magazine - we do send the first issue of a new year even if you fail to renew!!

Renewals to John Leak G0BX0 (G0BX0@btinternet.com) or your local rep please.

North American renewals to Bill Kelsey (Kanga@bright.net).

Both John & Bill can accept "plastic payments" - over e-mail if you trust it!

It is planned that the issue will be posted at the end of March - please do not complain about non-delivery before then!

Thanks

72/3

Graham

G3MFJ/W3MFJ

Date: Mon, 28 Feb 2000 18:20:46 -0500
From: "Randy Hargenrader" <randyh@harksystems.com>
To: <klqrp@waterw.com>, <qrp-1@lehigh.edu>
Subject: [64474] KLN 2/27/00
Message-ID: <01c801bf8242\$71d685c0\$c85f3cd0@randy.hark>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

The KnightLites held the weekly RoundTable (otherwise known as a net).
Conditions were challenging with many thunderstorms in the southeast
producing
much QRN.

QNS:

AB4PP JP / NC
KA2QPG Pierre / NY
N3GO Gary / NC
N4HAY Dick / NC
AD4S Pickett / GA
NCS WJ4P Randy / SC

The Knights meet weekly on Sunday nights at 9:30pm eastern time.
All stations, including the "QRP Challenged" are welcome!
72,
Randy WJ4P

Date: Mon, 28 Feb 2000 17:22:39 -0600
From: "James Johnson" <kc5jpb@eudoramail.com>
To: qrp-1@Lehigh.EDU, wb5rue@stic.net
Subject: [64475] QRP 1750M...Oops, that is not part 97...Yet.
Message-ID: <NBKLMCIGLMOEAAAA@shared1-mail.whoohere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Kevin:

The ARS (Part 97) has not been given the "1750 Meter" band...And I hope that the band stays as it is. Nothing against ARS operators, I just do not want the QRM to increase.

James
kc5jpb

--

On Mon, 28 Feb 2000 14:43:13 Kevin Muenzler, WB5RUE wrote:
>It isn't that the use of ham calls is illegal it just "isn't done." The
>convention is to use a three letter designator for your beacon. This is a
>"part 15" device and you can ID by whatever means you see fit. I may be
>wrong but I don't think it is illegal just like it isn't illegal to use your
>amateur call on 11-meters as your handle. It isn't wise but it also isn't
>illegal. BTW, rumor has it that 1750-meters is to be allocated to ham usage
>soon. Anyone heard confirmation?
>
>73/
>Kevin, WB5RUE
>
>> -----Original Message-----
>> From: owner-qrp-1@Lehigh.EDU

>> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
>> Mike Manship
>> Sent: Monday, February 28, 2000 2:27 PM
>> To: Low Power Amateur Radio Discussion
>> Subject: Re: Use 11 metres legally for QRP (USA only)
>>
>>
>> At 01:44 PM 02/28/2000 -0600, James Johnson wrote:
>> ...People on the 160 to 190 KHz band can use amateur call
>> signs even though
>> that Part 15 band is not related to part 97.

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<http://www.eudoramail.com>

Date: Mon, 28 Feb 2000 15:34:14 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [64476] Re: Multi-turn Loop Winding?
Message-ID: <38BB05F6.36B4@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OH.

It is impossible. But I just found that
you can "Simulate" the special theoretical
case of a single turn, multi-wavelength loop
with in-phase current throughout.

An example on Pg. 731 of Kraus' "Antennas" shows
a Cloverleaf Antenn, An Alford Loop, and a
triangular loop configuration.

Phew! I knew it had to be impossible. I guess
you can simulate the "effect" with multi-loop
designs in a phased configuration.

Tks. Now back to enjoying 11 meters since it
is now the talk of the town.

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068
<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

Date: Mon, 28 Feb 2000 18:41:56 -0500
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [64477] QRP-Tech
Message-ID: <20000228.184202.-748277.3.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Help....I can't get to my regular email for QRP-Tech and get the assignment. My ISP is rejecting my ID and password. Anyone else taking the course ? Could someone send me the assignment directly to me, NOT to QRP-L, so I can get started. This is legitimate, I am registered for the course.

Thanks,

fred w2xn
w2xn@juno.com (my alternate address)

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 Feb 2000 15:41:57 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [64478] Re: Multi-turn Loop Winding?
Message-ID: <38BB07C5.2DA5@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For some reason this post didn't make it.
So I've re-sent. My second post doesn't
make sense without it!

-Ed

Hi gang, just doing some daily reading from

John Kraus' "Antennas" text. I'm on page 253 where he describes a 6000 Ohms Radiation Resistance for Figure 6-12: Radiation resistance of single-turn circular loop with uniform, in-phase current as a function of the loop circumference in wavelengths, $C(\lambda)$.

How the heck do you get a single turn loop, 10 waves in circumference to have a constant in-phase current?

Any help on this?

6 KOhms Radiation resistance would be awesome for a loop. Not to be confused with a small TX loop.

TIA.

72, Ed

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

Date: Mon, 28 Feb 2000 17:43:34 -0600
From: "James Johnson" <kc5j pz@eudoramail.com>
To: qrp-l@Lehigh.EDU, we6w@qsl.net
Subject: [64479] Re: Multi-turn Loop Winding?
Message-ID: <HJBKIANKPOPEAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Ed:

It is not just 11 Meters...It is all of Part 15 bands.

Perhaps you will hear me on the 3.5 to 4.0 MHz or the 7.0 to 7.3 MHz segment of the Part 15 1.705 to 10 MHz band.

James Johnson

kc5j pz@eudoramail.com

QRPC5JPZ ?? Interesting potential identifier ;-)

--

On Mon, 28 Feb 2000 15:34:14 Ed Loranger wrote:

>OH.

>

>It is impossible. But I just found that
>you can "Simulate" the special theoretical
>case of a single turn, multi-wavelength loop
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>

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>

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>

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End of QRP-L Digest 1745
